



SCENARIO NOTE TO THE DEPUTY MINISTER

MEETING OF THE FEDERAL – BRITISH COLUMBIA DEPUTY MINISTERS' COMMITTEE

MEETING DETAILS

- **DATE/TIME:** September 10, 2019, 4:00 to 6:00 p.m.
- **LOCATION:** 66 Slater St., 9th Floor Boardroom, Ottawa
- **PARTICIPANTS:**
 - Christiane Fox, Deputy Minister, Intergovernmental Affairs and Youth, Privy Council Office
 - Martine Dubuc, Associate Deputy Minister, Environment and Climate Change Canada
 - Shawn Tupper, Associate Deputy Minister, Natural Resources Canada
 - Timothy Sargent, Deputy Minister, Fisheries and Oceans Canada
 - Bobbi Plecas, Provincial Deputy Minister, Intergovernmental Relations
 - Dave Nikolejsin, Provincial Deputy Minister, Ministry of Energy, Mines and Petroleum Resources
 - Mark Zacharias, Provincial Deputy Minister, Ministry of Environment and Climate Change Strategy
 - Jeremy Hewitt, Provincial Assistant Deputy Minister, Ministry of Environment and Climate Change Strategy
 - Wes Shoemaker, Provincial Deputy Minister, Ministry of Agriculture
 - John Allan, Provincial Deputy Minister, Ministry of Forests, Lands, Natural Resource Operations & Rural Development
 - Kaye Krishna, Provincial Deputy Minister, Ministry of Municipal Affairs and Housing
 - Grant Main, Provincial Deputy Minister, Ministry of Transportation and Infrastructure
 - Kevin Volk, Provincial Assistant Deputy Minister, Ministry of Transportation and Infrastructure
 - Glenn Campbell, Assistant Deputy Minister, IPI, INFC

PURPOSE

- This is the third meeting of the Federal-Provincial Working Group. It will have a series of agenda items, but only one – a return discussion on the electrification of the natural gas sector – is related to infrastructure. Speaking points follow at end of this memo. For reference, the full meeting agenda as of September 4 is attached as **Annex A**.

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HIGHLIGHTS/KEY CONSIDERATIONS

- On August 29, the Prime Minister made a joint announcement with the Premier of British Columbia, John Horgan, on a memorandum of understanding (attached as **Annex B**) which had been signed between the Government of Canada and the Government of British Columbia (BC). The MOU outlines \$680 million in near-term electrification projects for joint funding which are currently being examined by participants. The MOU does not commit to specific funding amounts for each initiative or sources of funding.
- The MOU commits to creating a Canada-British Columbia Clean Power Planning Committee, with representation from both jurisdictions and BC Hydro, which will work to advance natural gas and liquefied natural gas electrification, focusing primarily on two projects and one provincial program.
- BC has identified two key projects in support of its electrification agenda: 1) the Bear Mountain to Dawson Creek Voltage Conversion Project and 2) The North Montney Power Supply Project – projected total project costs of \$780 million, with Premier Horgan having requested federal support of \$340 million for these projects [REDACTED]
- The provincial program is the CleanBC Facilities Electrification Fund. This fund provides an incentive to natural gas producers to opt for tying into the electrical grid versus utilizing natural gas to drive operations. [REDACTED]

KEY BACKGROUND

- The key infrastructure priority for BC is the electrification of its northern natural gas fields, which often rely on natural gas as a source of energy to use in their operations. Switching to clean hydroelectricity to compress natural gas into a liquefied state would allow the sector to reduce the use of natural gas fueled compressors for the same purpose. A reduced emission footprint for the sector could make BC's LNG more attractive in the international export market.
- BC is taking active steps to electrify its northern gas fields as part of its Northern BC Energy Strategy. The electrification of the gas fields involves large capital costs that significantly surpass BC's Investing in Canada Infrastructure Program (ICIP) allocations. This is intended to address challenges in the electrification of the gas fields.

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BC Energy Strategy and Longer-Term LNG Build Out

[REDACTED]

[REDACTED]

[REDACTED]

BC ICIP Green Stream Funding and Electrification

- Under the ICIP's Green Infrastructure stream, electrical generation and transmission projects are eligible for funding if they support the immediate outcomes of: *Increased capacity to manage more renewable energy*, or *Increased generation of clean energy*. The provincial and territorial allocation consists of a base amount of \$200M per jurisdiction, while the remainder is allocated on a per capita basis. Under the Green Infrastructure stream, a minimum of 45% of a province's allocation must be invested in greenhouse gas emission mitigation projects.
- Under ICIP, BC has been allocated approximately \$903M under the Green Infrastructure stream, a minimum of \$406M of which must be spent on projects under the Climate Change Mitigation sub-stream. [REDACTED]

[REDACTED]

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[REDACTED] A table showing the projects included in the updated plan is attached (**Annex C**).

- In a November 2018 letter to the Prime Minister (**Annex D**), Premier Horgan did not reference available funding under ICIP for natural gas electrification projects. The Prime Minister's response is also attached.
- BC has allocated part of their ICIP allocation to date through 27 approved, publically announced projects. [REDACTED] To date, one related electricity project, the Peace Region Electricity Supply (PRES) Project, has been approved for just over \$83M in federal funding under ICIP. [REDACTED]

Attachments:

Annex A – Meeting Agenda

Annex B – Memorandum of Understanding between the Government of Canada and the Government of British Columbia on the Electrification of the Natural Gas Sector

Annex C – BC Executive Infrastructure Funding Report and Individual Project List

Annex D – Exchange of Letters – Prime Minister and Premier of British Columbia


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PROPOSED TALKING POINTS*Investing in Canada Infrastructure Program*

- We are appreciative of the collaborative approach adopted by BC in the implementation of the Investing in Canada Infrastructure Program.
- We have reviewed a number of environmental quality projects under the Green Infrastructure stream that will see communities across BC meet, or exceed, federal and provincial water and wastewater regulations.
- While electrical projects are eligible under the Investing in Canada Infrastructure Program's Green Infrastructure stream, provinces and territories have shown some reluctance to prioritize them given their size and cost.
- That said, we have seen some success such as the Peace River Electricity Supply Project, with just over \$83 million in federal funding being approved. This project will comprise of the construction of two new transmission lines and expansion of a substation to help increase the transmission load capacity in Northeast BC. The project is expected to result in the avoidance of up to 2.6 million tonnes of GHG emissions per year.
- BC's updated three-year Infrastructure Plan also prioritizes the Prince George to Terrace Capacitors Project and the BC Hydro Interconnection Fund.
- We remain committed to working with our provincial and territorial partners to identify gaps and needs in federal infrastructure funding programs.

ICIP – Overall Funding for BC

- Across the four streams of the Investing in Canada Infrastructure Program in British Columbia, 27 projects have been approved and publicly announced worth just over \$2 billion.
- 
- There are currently no projects waiting to be reviewed.

If required, specific stream speaking points start on page 7.

Recent Project Approvals

These are the three largest projects by contribution amounts approved in August 2019.

- I would like to thank officials from the Ministry of Municipal Affairs and Housing and the Ministry of Transportation and Infrastructure for their help in advancing projects

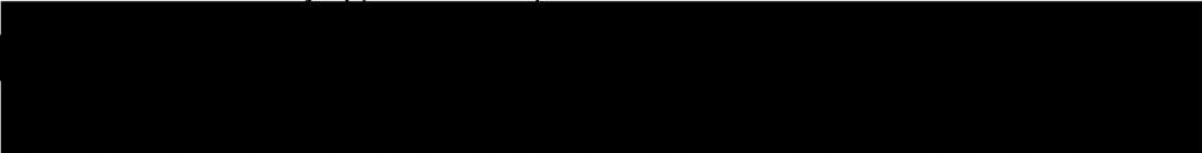
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through approvals. Their responsiveness to our requests was very helpful and ensured we were able to have all projects submitted to date approved.

- We saw the fruits of this labour in a number of recent announcements across the province in the past few weeks.
 - I would like to congratulate you on receiving approval for the \$12.6 million program contribution to the Victoria HandyDART Operations and Maintenance Facility on August 9th. Replacing an aging and overcapacity facility and allowing BC Transit to increase its capacity to provide services to riders in the region who are unable to access conventional transit will be a benefit to transit users.
 - I would like to congratulate you on receiving approval for the \$6.6 million program contribution to the Sema:th Multiplex Facility on August 27th. I am pleased that this contribution will allow you to build a new multi-purpose community and recreation facility on the Sumas First Nation reserve.
 - I would like to congratulate you on receiving approval for the \$5.0 million program contribution to the Community Youth Centre on August 27th. I am pleased that the contribution will provide space for community, recreation, youth and culture for the members of the Tsawwassen First Nation and surrounding communities.

Upcoming Election Period

- During the upcoming election period, officials within Infrastructure Canada will continue to work with provincial officials to undertake the review of any projects submitted under the Investing in Canada Infrastructure Plan. While we won't be able to approve any projects submitted during the election period, we can finalize our review of projects to ensure we are well-positioned to quickly advance projects for ministerial or Treasury approval as required.
- 
- We will continue to work with the BC Ministry of Transportation and Infrastructure to amend our existing highway agreement to formally incorporate the recently approved highway projects under our legacy programs. Discussions are well in hand on this, I understand.
- We understand that the Ministry of Municipal Affairs and Housing has publically communicated that decisions on projects being funded under the Rural and Northern Infrastructure stream and additional projects under the Community, Culture and Recreation stream is expected in late 2019. My officials are willing to work with provincial officials and will assist in any way possible to meet this deadline.

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ICIP - Public Transit Infrastructure Stream

- The Public Transit Stream will provide funding to address the construction, expansion, and improvement of public transit infrastructure.
- In this stream 13 projects have been approved publicly for a total program contribution of about \$2 billion and two are approved but not yet announced worth almost \$19 million.
- In the Public Transit Infrastructure Stream \$700 million remains unallocated of an initial \$2.7 billion.

ICIP – Green Infrastructure Stream

- The Green Infrastructure Stream focuses on three funding areas including greenhouse gas mitigation; investments to support community resilience; and environmental quality investments.
- In this stream 14 projects have been approved publicly for a total program contribution of \$220 million and one project has been approved but not yet announced worth \$1 million.
- In the Green Infrastructure Stream nearly \$700 million remains unallocated of an initial allocation of about \$1 billion.

ICIP – Rural and Northern Communities Infrastructure Stream

- The Rural and Northern Communities Infrastructure Stream will provide funding for projects that improve social inclusion and civic engagement, such as community centres and sport facilities.
- In this stream no projects have been approved, either announced or unannounced. In this stream, \$165 million remains unallocated.

ICIP – Community, Culture and Recreation Infrastructure Stream

- The Community, Culture and Recreation Infrastructure Stream will support unique and wide-ranging infrastructure priorities in small, rural and remote communities such as facilities.
- In this stream no projects have been approved and publicly announced. Six projects have been approved but not yet announced worth \$16 million.
- In this stream, \$140 million remains unallocated of an initial allocation of \$157 million.

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Canada Infrastructure Bank

- The Canada Infrastructure Bank has had success in initiating early discussions with some jurisdictions on electrical generation and connectivity projects.
- I understand that the Bank has met with BC Hydro, and that the Bank and BC Hydro are working collaboratively and discussing potential partnerships to support transmission projects that would enable the electrification of natural gas production.
 - We would encourage officials from the provincial ministries to participate in continued discussions with BC Hydro, the Bank, along with Natural Resources Canada, and with the support of INFC, to examine options to advance priorities related to hydroelectricity and interconnectivity.
- The Bank is well placed to consider certain projects of appropriate scale and structure, where its model could be deployed to engage public and private partnerships and use innovative financing tools, but it requires specific projects and plans to consider as part of its advisory or investment role.
- Natural Resources Canada is well placed to facilitate these discussions given its success in working with PTs in the strategic planning of interties.

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FEDERAL-BRITISH COLUMBIA DEPUTY MINISTERS' COMMITTEE

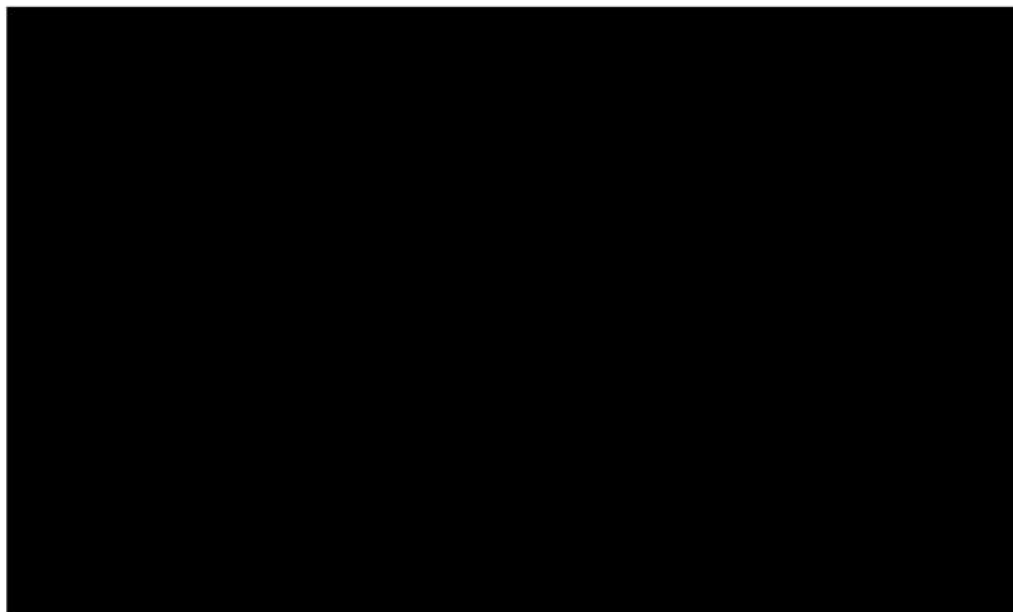
SEPTEMBER 10, 2019

4:00 – 6:00 p.m. ET

66 SLATER STREET, 9TH FLOOR BOARDROOM

AGENDA

1. Introduction (B. Plecas and C. Fox)



MEMORANDUM OF UNDERSTANDING BETWEEN
THE GOVERNMENT OF CANADA
AND
THE GOVERNMENT OF BRITISH COLUMBIA
ON THE ELECTRIFICATION OF THE NATURAL GAS SECTOR

WHEREAS:

- In 2016, the governments of Canada and British Columbia (hereinafter “the participants”) released the Pan-Canadian Framework on Clean Growth and Climate Change, which outlined potential areas of collaboration between the Government of Canada and the provinces, including bringing British Columbia’s clean energy to the natural gas sector;
- The governments of Canada and British Columbia have mutual interests in reducing greenhouse gas emissions and growing the economy;
- The Government of British Columbia, in December 2018, released CleanBC, its new provincial economic development, energy, and climate strategy, which prioritized electrification, including electrification of the natural gas sector as a means of meeting its climate change commitments;
- Electrification of upstream gas and liquefied natural gas were jointly studied by the governments of British Columbia and Canada in the Regional Electricity Cooperation and Strategic Infrastructure Initiative and were found to be among the most cost-effective electricity infrastructure projects identified in western Canada;
- British Columbia has already been making investments in its grid to enable electrification of the natural gas industry, and as part of this, in April 2019, the Government Canada announced that it is providing up to \$83.6 million towards the Peace Region Electricity Supply project through the Investing in Canada Plan, with BC Hydro providing the remaining \$205.4 million;
- The governments of British Columbia and Canada have a shared interest in electrifying natural gas production and liquefied natural gas production to build Canada’s clean energy brand as a supplier of the world’s cleanest natural gas; and
- The governments of British Columbia and Canada recognize that reliable and affordable access to electricity for natural gas proponents is a key factor in achieving climate change goals.

THEREFORE, the participants have mutually decided the following:

Purpose

1. The purpose of this Memorandum of Understanding is to demonstrate the commitment of the Government of British Columbia and the Government of Canada to support the electrification of the natural gas sector in British Columbia.

Joint actions

2. The participants agree on the importance of supporting the electrification of the natural gas sector in British Columbia.
3. A Canada-British Columbia Clean Power Planning Committee, with senior representation from both jurisdictions, including BC Hydro will:
 - a) Advance natural gas and liquefied natural gas electrification, including:
 - i. CleanBC Facilities Electrification Fund;
 - ii. Bear Mountain to Dawson Creek Voltage Conversion project;
 - iii. North Montney Power Supply project; and
 - iv. Other natural gas electrification opportunities identified by the participants
 - b) Explore other electrification and transmission expansion opportunities, as determined by the Committee;
 - c) Improve cross-government coordination to connect existing and new funding sources to priorities, especially with respect to federal infrastructure funding; and
 - d) Develop and consider new and/or alternative financing models that can advance priority transmission projects, which may include Indigenous or other private sector ownership and participation by the Canada Infrastructure Bank.
4. The participants will jointly decide on overall resource levels to be devoted to the initiatives set out in this Memorandum. The participants are currently examining \$680 million in near-term electrification projects for joint funding, subject to necessary financial approvals by each participant.
5. The participants will each work to support the projects identified in this Memorandum within five years and any other projects jointly approved.

Engagement and collaboration with Indigenous peoples

6. The participants will engage with Indigenous groups to help ensure that Indigenous views are appropriately reflected in the initiative undertaken through this Memorandum.

Modification and discontinuance

7. This Memorandum may be modified by mutual decision of the participants in writing at any time.
8. Either participant may discontinue their participation in this Memorandum by giving the other participant notice in writing.

Coordination and implementation

9. The Government of Canada's Deputy Minister of Natural Resources and the Government of British Columbia's Deputy Minister of Energy, Mines and Petroleum Resources, with the support, as required, of the Government of Canada's Deputy Minister of Intergovernmental Affairs and Youth and the Government of British Columbia's Deputy Minister of Intergovernmental Relations Secretariat, Office of the Premier, will be responsible for leading the coordination and implementation of the commitments of the participants set out in this Memorandum.
10. The participants will resolve any dispute or difference between them arising from this Memorandum through consultation.
11. This Memorandum does not create any enforceable legal or equitable rights, or obligations, but acknowledges the intent of the participants to pursue mutually beneficial initiatives and activities.
12. This MOU takes effect upon signature by the parties. This MOU shall be in effect for a period of five years.
13. This MOU may be amended by mutual written agreement by the parties.

Executive Infrastructure Funding Report (IFR)

British Columbia by ICIP Program

Data as of August 28, 2019

Stream	Initial Allocation
Public Transit Infrastructure Stream	\$2,691,101,894
Green Infrastructure Stream	\$1,115,494,721
Rural and Northern Communities Infrastructure Stream	\$166,001,827
Community, Culture and Recreation Infrastructure Stream	\$157,081,719
Stream Total	\$4,129,680,161

Stream Administration	Max
Public Transit Infrastructure Stream	\$12,109,959
Green Infrastructure Stream	\$4,064,376
Rural and Northern Communities Infrastructure Stream	\$747,008
Community, Culture and Recreation Infrastructure Stream	\$706,868
Total	\$17,628,211

Transfer Out

From GIS to NRP - Lion's Gate Wastewater Treatment - BC

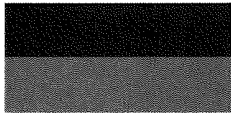


Initial Available for Projects	Approved - Public				
	Project Count	% Started	% Completed	Program Contribution	Total Claims Paid
\$2,678,991,935	13	46		\$1,961,830,175	\$4,552,290
\$899,130,345	14	7		\$217,434,609	\$0
\$165,254,819	0			\$0	\$0
\$156,374,851	0			\$0	\$0
\$3,899,751,950	27	26	0	\$2,179,264,784	\$4,552,290

Planned	Claimed
\$12,109,959	\$789,812
\$4,064,376	\$265,079
\$747,008	\$48,720
\$706,868	\$46,102
\$17,628,211	\$1,149,713

	\$212,300,000
	\$212,300,000


		Approved - Unannounced		Under Review	
2019/20 Total Claims Forecast	2019/20 Claims Paid to Date	Project Count	Program Contribution	Project Count	Program Contribution
\$149,000,000				0	\$0
\$35,294,839				0	\$0
\$3,050,617				0	\$0
\$5,923,722				0	\$0
\$193,269,178				0	\$0



Unallocated Amount
\$698,396,529
\$680,692,631
\$165,254,819
\$140,246,375
\$1,684,590,354

ICIP Projects - British Columbia

\$5,584,551,499 \$2,215,161,596

Stream	Location	Title	Total Eligible Cost	Program Contribution	Approval Date	Description
Green: Climate Change Mitigation	Fort St. John, City of	Peace Region Electricity Supply Project	\$167,361,650	\$83,680,825	2018-12-07	Construction of two new transmission lines and expansion of a substation to help increase the transmission load capacity in Northeast BC. Once fully subscribed, the project is expected to result in the avoidance of up to 2.6 million tonnes of GHG emissions per year.
Green: Environmental Quality	Spallumcheen, Township of	North Okanagan Wastewater Recovery Project	\$33,137,870	\$13,255,148	2019-07-05	<p>The proposed project will bring sewer service to the Swan Lake area to serve existing and future residents and industry in Township of Spallumcheen, the Okanagan Indian Band (OKIB), and the Regional District of North Okanagan. Sewage collection and treatment will protect the water quality and habitat of Swan Lake, reduce demands on and contamination of the Hullcar aquifer, and support agriculture by supplying reclaimed water for irrigation and by accepting animal waste for treatment. The project will eliminate the use of failing septic fields and support future development. The project works will include:</p> 


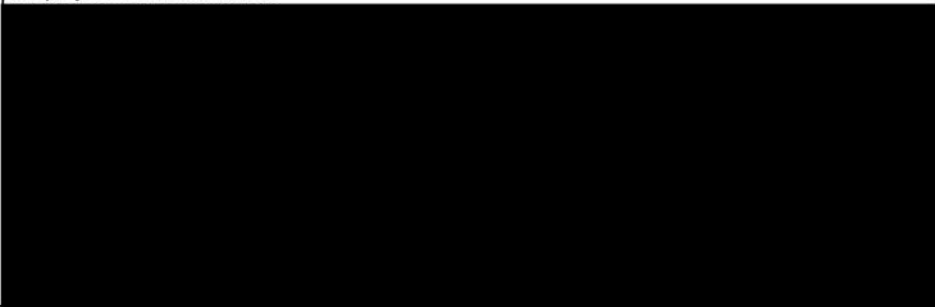
Annex A
ICIP Projects - British Columbia

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Stream	Location	Title	Total Eligible Cost	Program Contribution	Approval Date	Description
Green: Environmental Quality	Powell River, City of	Consolidated Wastewater Treatment Project	\$76,000,000	\$30,400,000	2019-07-05	<p>The proposed project will construct one new wastewater treatment plant to replace three old existing treatment plants. The new facility will treat sewage to a high standard to meet provincial and federal regulations and protect the marine environment. The facility will provide sewage treatment well into the future for the downtown, Wildwood and Westview areas and will have capacity to serve the Tla'amin Nation.</p> <p>The project works will include:</p> <div style="background-color: black; height: 200px; width: 100%;"></div>
Green: Environmental Quality	Prince Rupert, City of	Potable Water Treatment and Submarine Waterline Replacement Project	\$30,146,300	\$12,058,520	2019-07-05	<p>The proposed project will construct a new water treatment plant for the City of Prince Rupert and a new submarine water pipeline across Fern Channel. The new treatment plant will resolve future boil water notices by raising the level of water treatment to meet provincial regulatory standards to ensure clean, safe drinking water for residents and visitors for years to come.</p> <p>The project works will include</p> <div style="background-color: black; height: 80px; width: 100%;"></div>


Annex A
ICIP Projects - British Columbia

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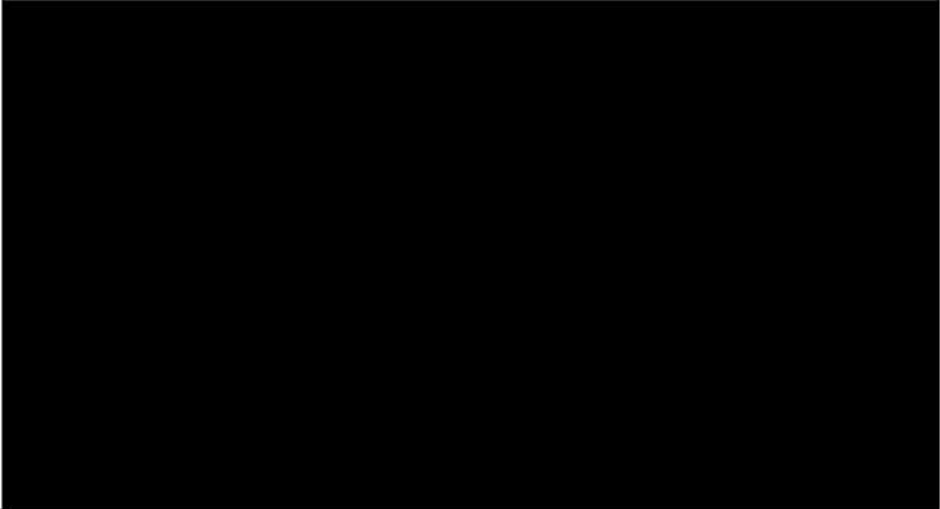
Stream	Location	Title	Total Eligible Cost	Program Contribution	Approval Date	Description
Green: Environmental Quality	Tofino, District of	Secondary Wastewater Treatment and System Upgrades	\$54,909,000	\$21,963,600	2019-07-05	<p>The proposed project will construct a wastewater treatment facility that meets provincial and federal regulatory standards that require sewage treatment to at least a secondary standard and will improve and protect the local marine environment. The facility and related infrastructure will service the District of Tofino, Tla-o-qui-aht First Nation, and Parks Canada.</p> <p>The project works will include:</p> 
Green: Environmental Quality	Kyuquot / Checlesht First Nations, First Nations of	Houpsitas Village - Community Infrastructure Renewal	\$9,496,625	\$7,122,468	2019-06-27	<p>Primary purpose of the project is to upgrade the potable water system servicing the Houpsitas Village, School District 84 1-12 school, Walters Island, and other private connections, medical facilities and fishing lodges. The last upgrades to the water system were completed in 1980s. The project will reduce water leaks from the distribution system and replace water reservoirs which conditions are deteriorating and requiring regular repairs. Two failing pump houses will also be replaced and renewal of aged and leaking sanitary pipe networks that is in close proximity to the water distribution system.</p> <p>The project works will include:</p> 

Annex A
ICIP Projects - British Columbia

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Stream	Location	Title	Total Eligible Cost	Program Contribution	Approval Date	Description
Green: Environmental Quality	Rosland, City of	City of Rosland Water Treatment Plant Improvements	\$2,565,000	\$1,026,000	2019-06-27	<p>The City of Rosland Water Treatment Plant Upgrades Project will complete numerous improvements to their water treatment plant. The project includes upgrading the plants disinfection system, as well as upgrading the control system and adding a backup power source for the plant. These combined upgrades once completed will satisfy both current and future BC Interior Health Guidelines as well as meet the he new system will use sodium hyperchlorite in a liquid form which would replace the existing chlorine gas to meet the Canadian Drinking Water Quality Guidelines.</p> 

Annex A
ICIP Projects - British Columbia

Stream	Location	Title	Total Eligible Cost	Program Contribution	Approval Date	Description
Green: Environmental Quality	Burns Lake, Village of	Village of Burns Lake Water Treatment Plant	\$4,800,000	\$1,920,000	2019-06-27	<p>The proposed project will address the Northern Authority request for a reduction in both manganese and arsenic through the introduction of treatment to the Village's water system. The existing water system is not meeting the water quality requirements of the Guidelines for Canadian Drinking Water in the manganese and arsenic categories.</p> <p>The project works will include:</p> 

Annex A
ICIP Projects - British Columbia

Stream	Location	Title	Total Eligible Cost	Program Contribution	Approval Date	Description
Green: Environmental Quality	Clearwater, District of	Wastewater Treatment	\$2,470,000	\$988,000	2019-07-26	<p>The project will construct a headworks building and increase the lagoons within the wastewater treatment system to increase the level of treatment and capacity and ensure that BOD and TSS levels are in year round compliance of the Districts operating permit. The District has an influx of people through the area during the summer tourist season which has resulted in the levels being exceeded during the times of heavy usage. The project will expand the wastewater treatment plants lagoon system by converting a previously abandoned lagoon to become an aerated lagoon and will also construct a sludge laydown area.</p> <p>The project works will include:</p>
Green: Environmental Quality	Central Coast, Regional District of	Hagensborg Community Potable Water Distribution and Treatment	\$5,162,000	\$2,064,800	2019-07-26	<p>The proposed project will construct a water treatment plant and replace the existing distribution system within the Hagensborg Water System. At completion the private water system will be dissolved and the Central Coast Regional District will assume ownership and operation. The project will address the requirements issued by Vancouver Coastal Health to have the long term boil water notice lifted through meeting the Health Canada Guidelines for Canadian Drinking Water Quality and having a dual barrier treatment system as required for surface sourced water.</p> <p>The project works will include:</p>

Annex A
ICIP Projects - British Columbia

Stream	Location	Title	Total Eligible Cost	Program Contribution	Approval Date	Description
Green: Environmental Quality	Lillooet, District of; Squamish, District of	Black Tusk Village Wastewater Integration Project	\$6,148,000	\$2,459,200	2019-07-26	<p>The project will construct a new wastewater collection system in Black Tusk Village to convey sewage to the Squamish Lillooet Regional District's Pinecrest Estates treatment facility. The facility will be expanded to provide the additional sewage with treatment that meets regulatory requirements to protect the environment and public health. Currently, the Black Tusk treatment system is deteriorated and discharging poorly-treated sewage to Daisy Lake out of compliance with provincial regulation. Combining the Pinecrest and Black Tusk wastewater systems under the ownership and operation management of the SLRD removes the discharge from Daisy Lake and ensures a viable and sustainable system into the future.</p> <p>The project works will include:</p> <ul style="list-style-type: none"> -Installation of approximately 2.3 km of force mains; -Installation of approximately 94 grinder lift stations;
Green: Environmental Quality	Cumberland, Village of	Cumberland High Performance Wastewater Lagoon Upgrade	\$9,700,000	\$3,880,000	2019-07-26	<p>The proposed project will upgrade wastewater treatment in the Village of Cumberland to meet current federal and provincial environmental regulations. The new treatment system will provide a high (tertiary) level of treatment with phosphorous removal to protect the downstream waterways of Maple Creek and the Trent River and will restore an old wetland area to enhance nature and add recreational opportunities. The selected technical process minimizes energy use and operational complexity for a cost-effective and green approach to wastewater treatment.</p>

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ICIP Projects - British Columbia

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Stream	Location	Title	Total Eligible Cost	Program Contribution	Approval Date	Description
Green: Environmental Quality	Montrose, Village of	Montrose Wastewater Treatment Plant Upgrades	\$2,507,763	\$1,003,105	2019-07-26	<p>The project is an upgrading of the existing plant to refurbish old components, provide for increased operator feedback, and address health and safety concerns. It also increases system redundancy, and includes a coagulant dosing system to provide a means of reducing phosphorus in the effluent stream below limits established by the Municipal Wastewater Regulation. The upgrades proposed are intended to move the WWTP toward compliance with the Municipal Wastewater Regulation.</p> <p>The project works will include:</p> <div style="background-color: black; height: 150px; width: 100%;"></div>
Green: Environmental Quality	Osoyoos, Town of	Rural Area Twinning	\$5,770,000	\$2,308,000	2019-07-26	<p>The project will extend the Town's municipal water system into the Southwest Sector Area by installing approximately 9.9 km of water mains to provide domestic twinning of the Irrigation System 9.</p> <p>The project works will include:</p> <ul style="list-style-type: none"> - Installation of approximately 9,900m of watermain; - Installation of approximately 2,300m of water supply main; - Installation of approximately 228 water services; - Necessary appurtenances including valves, fittings, hydrants and services; and, - Rehabilitation of roadworks impacted by the project.

Annex A
ICIP Projects - British Columbia

Stream	Location	Title	Total Eligible Cost	Program Contribution	Approval Date	Description
Green: Environmental Quality	Comox Valley, Regional District of	Comox Valley Water	\$85,770,120	\$34,308,048	2018-11-15	<p>The Comox Valley Water Treatment Project (the Project) will construct a new water treatment plant for the Comox Valley Regional District (CVRD) that will provide clean, safe drinking water to 45,000 residents in the City of Courtenay, the Town of Comox, and six regional communities. After a long boil water advisory that was caused by poor source-water quality, Island Health (IH), a publicly-funded health care provider, instructed CVRD to build a filtration-treatment plant. This Project will construct a new water treatment plant that will meet the IH requirements and the needs of area residents and visitors for decades to come. The Project also creates a partnership between CVRD and KFN that will supply clean drinking water to the KFN treaty lands.</p> <p>The Project being funded by Infrastructure Canada (INFC) includes the construction of a water treatment system with project works including: planning and design; filtration treatment facility; treated water forcemain; transmission main from south Courtenay to KFN treaty lands with storage reservoir; associated pumps, connections and associated works; public visitors educational facility at the filtration plant; and associated civil, mechanical, electrical and control system works. The Project is part of a larger project that also includes a raw water intake and related infrastructure. The raw water intake and related infrastructure are not part of the Project scope.</p>
Public Transit	Burnaby, City of	Brentwood Town Centre Station Upgrade	\$15,400,000	\$6,160,000	2019-07-26	<p>This Project will upgrade the Brentwood Town Centre Station, which is along the Millennium line in Burnaby, British Columbia, which was opened in 2002. Upgrades will improve station capacity, accessibility, amenities, and neighbourhood integration; and will include:</p> <ul style="list-style-type: none"> •Upgrades to/rehabilitation of station materials, finishes, and add Intelligent Transportation System components; •Fare gate expansion, including automatic ticket vending machines and add fare machines; •Two new escalators (one to each platform); •A Commercial Retail Unit (will measure 49 m2 and rental revenue generated will go back to operations/maintenance of the Brentwood Town Centre Station); •A new enclosure to, and upgrades and rehabilitation of, the north entrance stairs; •Lighting upgrades; •Resurfacing of mezzanine deck; and •Passenger weather protection upgrades (new canopies at the mezzanine).

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ICIP Projects - British Columbia

Stream	Location	Title	Total Eligible Cost	Program Contribution	Approval Date	Description
Public Transit	View Royal, Town of	Victoria HandyDART Operations and Maintenance Facility	\$31,513,078	\$12,605,231	2019-08-09	<p>New Operations and Maintenance Facility and associated works for custom transit operations serving the Victoria Regional Transit System. The new facility will include, but is not limited to, the construction an administrative space, operations building and transit yard to accommodate up to approximately 110 custom transit buses, with maintenance bays, on-site fueling and an automated bus wash.</p> <p>The need for a new facility was identified in the Victoria Regional Transit System 2011 Transit Future Plan, which provides a vision for transit over the next 25 years. The Transit Future Plan, endorsed by the Victoria Regional Transit Commission (VRTC), was based on local government land use and transportation plans including the Regional Growth Strategy.</p> <p>This facility will replace an aging and over capacity facility at another location, and allow BC Transit to increase its capacity to provide crucial handyDART services to riders in the Victoria Regional Transit System who are unable to access conventional transit.</p>
Public Transit	Victoria, City of	Vehicle Acquisition (	\$19,352,393	\$7,740,957	2019-05-17	<p>Acquisition of 10 long-range battery electric heavy-duty buses and related charging infrastructure. This project supports the strategy and implementation planning to transition BC Transit's fleet of heavy duty buses to zero emissions. These buses will replace diesel buses at the end of useful life, and include new buses to support the expansion of transit service to better meet community needs and encourage a shift from auto travel to transit. Buses will feature improved efficiency, accessibility standards, improved safety amenities for drivers and riders, as well as capacity to enable planned technology upgrades for vehicle location tracking, CCTV cameras, and new fare payment systems. The scope of the project also includes the purchase and installation of associated in-depot charging infrastructure, including BC Hydro primary service upgrades, depot electric service distribution, structural/mechanical works, and charging equipment.</p>
Public Transit	Undefined	Vehicle Acquisition (	\$15,539,713	\$6,215,885	2019-05-17	<p>Acquisition of 11 high capacity diesel buses. These buses replace rolling stock at the end of life. Buses will feature improved efficiency, accessibility standards, improved safety amenities for drivers and riders, as well as the planned capacity for technology upgrades that will ensure vehicles are able to accommodate planned improvements in vehicle tracking, CCTV cameras, and new payment technologies.</p>

ICIP Projects - British Columbia

Stream	Location	Title	Total Eligible Cost	Program Contribution	Approval Date	Description
Public Transit	Victoria, City of	Vehicle Acquisition (	\$13,267,861	\$5,307,144	2019-07-04	<p>Acquisition of approximately 62 transit vehicles and other associated works in order to replace aging and end-of-life fleet.</p> <p>Buses will feature improved efficiency, accessibility standards, improved safety amenities for drivers and riders, as well as the planned capacity for technology upgrades that will ensure vehicles are able to accommodate planned improvements in vehicle tracking, CCTV cameras, and new payment technologies. Buses will feature increased efficiency due to mechanical improvements from previous models.</p> <p>Light Duty buses typically carry between 10-30 riders, and are under 10m in length. BC Transit primarily uses light duty buses for custom transit services (i.e., handyDART).</p>
Public Transit	Victoria, City of	Vehicle Acquisition (	\$29,393,481	\$11,757,392	2019-07-04	<p>Acquisition of approximately 35 transit vehicles to support service hours expansion.</p> <p>Buses, primarily heavy-duty, will feature improved efficiency, accessibility standards, improved safety amenities for drivers and riders, as well as the planned capacity for technology upgrades that will ensure vehicles are able to accommodate planned improvements in vehicle tracking, CCTV cameras, and new payment technologies.</p>
Public Transit	Burnaby, City of; Coquitlam, City of; New Westminster, City of; Port Moody, City of; Surrey, City of; Vancouver, City of	Expo and Millennium	\$1,359,500,000	\$493,320,000	2019-03-08	<p>EMUP proposes to expand the capacity of the existing Expo and Millennium Lines. These lines connect downtown Vancouver with Burnaby, Coquitlam, New Westminster, Port Moody, and Surrey. This will include fleet expansion and acquisition, vehicle storage upgrades, mainline power, systems upgrades, and maintenance facilities.</p>

Annex A
ICIP Projects - British Columbia

Stream	Location	Title	Total Eligible Cost	Program Contribution	Approval Date	Description
Public Transit	Saanich, District of	Highway 1 / Douglas Street Southbound Bus Lane (Burnside Bridges - Tolmie)	\$12,300,000	\$4,920,000	2019-02-20	<p>Construction of a southbound bus-only lane along Highway 1 / Douglas Street in the Victoria region from the Burnside Bridges to Tolmie Avenue.</p> <p>This 2km bus lane will complete a system of continuous bus lanes in both directions along Highway 1 / Douglas Street, between the McKenzie interchange and downtown Victoria. This lane will reduce transit times, improve reliability, increase passenger safety, and support increased transit modal share on a primary transportation corridor experiencing significant levels of congestion.</p>
Public Transit	Undefined	Bus Shelters (Phase 1)	\$2,750,000	\$1,100,000	2018-07-16	<p>Provides for the installation of approximately 100 BC Transit designed and branded bus shelters in communities across British Columbia.</p> <p>Shelters will provide improved customer experience and safety, as weather specific upgrades allow for more comfortable transit usage, increased accessibility standards allow more passengers to access conventional transit, and overall quality and quantity improvements allow for an increase in transit usage.</p>
Public Transit	Kamloops, City of; Nanaimo, City of; Whistler, Resort Municipality of	Standby Generators	\$5,000,000	\$2,000,000	2018-07-18	<p>Installation of standby generators and related support infrastructure in BC Transit facilities to ensure business continuity and support local and provincial emergency management systems in the event of a power outage.</p> <p>Backup generators will increase resiliency of BC Transit operations, allowing for continued operations under safe conditions for drivers and riders in event of power outage.</p>

Annex A
ICIP Projects - British Columbia

Stream	Location	Title	Total Eligible Cost	Program Contribution	Approval Date	Description
Public Transit	Undefined	Smart Bus Technology	\$26,800,000	\$13,400,000	2018-07-21	<p>Comprised of two key on-board bus technology components: advanced fare technology and real-time technology.</p> <p>New Advanced Fare Technology, enabling mobile fare payments, will be installed on buses in up to 29 communities operating conventional transit service (approximately 790 buses). This will replace traditional fare media (magnetic swipe cards) with on-board NFC fare validators and an account-based system that will allow both closed loop and future open loop payment options for customers. Some rehabilitation of existing electronic fareboxes may be necessary during the rollout of this project to ensure continuity of fare collection given existing fareboxes are past useful life and deteriorating.</p> <p>Real-Time Technology will be expanded* and installed on buses in up to 22 communities operating conventional transit service (approximately 270 buses). This customer-facing technology will provide for a passenger-accessible internet portal, which will enable commuters to use web browsers and mobile devices to see the exact location of their bus along its route. It will also provide for on-bus automatic voice announcements and interior passenger information displays, as well as the potential for wayside passenger information displays at key locations within the transit system.</p> <p>Both projects will provide significantly enhanced customer satisfaction; enable advanced data collection systems for better planning, scheduling, and fare revenue strategies; and improve operational awareness and effectiveness.</p>
Public Transit	Undefined	Vehicle Acquisition (	\$72,874,970	\$29,149,988	2018-07-21	<p>Acquisition of approximately 118 transit vehicles in order to replace aging and end-of-life fleet and support the expansion of new transit services across British Columbia.</p> <p>These vehicles replace rolling stock at the end of life, and feature improved efficiency, accessibility standards, improved safety amenities for drivers and riders, as well as the planned capacity for technology upgrades that will ensure vehicles are able to accommodate planned improvements in vehicle tracking, CCTV cameras, and new payment technologies. New expansion buses are in addition to existing stock and will allow BC Transit to expand services to better meet community needs.</p>
Public Transit	Undefined	Vehicle Refits and Major Components (Phase 1)	\$29,456,819	\$14,728,410	2018-07-21	<p>Major refurbishment of BC Transit fleet to ensure vehicles will meet planned economic life.</p> <p>Refurbishment and replacement of vehicle components will allow increased use of asset, while improving quality and dependability of service, as well as improving driver and passenger safety.</p>

Annex A
ICIP Projects - British Columbia

Stream	Location	Title	Total Eligible Cost	Program Contribution	Approval Date	Description
Public Transit	Surrey, City of	Surrey-Newton-Guildford Light Rail Transit (TransLink)	\$1,209,581,977	\$483,832,791	2018-06-07	The SNG LRT Project is the first of two phases of construction on the South of Fraser Rapid Transit network. The SNG LRT Project will result in 10.5 km of new track and 11 stations running from Surrey City Centre to Newton Town Centre.
Public Transit	Vancouver, City of	Millennium Line Broadway Extension (TransLink)	\$2,220,894,019	\$888,357,608	2018-06-07	The MLBE Project will extend the existing line by 5.7 km and add 6 stations. The Project will be fully integrated with existing SkyTrain systems and protocols.
Community, Culture and Recreation		Juan de Fuca Improvement Project	\$1,997,340	\$798,936	2019-08-27	The project will remediate Juan de Fuca ice arena by replacing the old arena floor and installing an energy recovery heat pump and exchanger, retrofitting fascia, upgrading the dressing rooms, and replacing the spectator seating. The project will enhance the community usage of the arena and will continue to provide active and healthy lifestyles for area residents.
Community, Culture and Recreation		Cowichan Sportsplex Field House Project	\$1,456,000	\$582,400	2019-08-27	This project will construct a field house at the Cowichan Sportsplex, the region's outdoor sports, fitness and recreation park, covering over 26 acres and serving over 200,000 visitors each year. The new field house will replace two portable buildings adding fully accessible public washrooms and changerooms, a multi-purpose community meeting/event space and a much-improved facility administration area.
	North Cowichan					
Community, Culture and Recreation		Community Youth Centre	\$6,698,700	\$5,024,025	2019-08-27	The project will construct a new two-storey building that will provide space for community, recreation, youth and culture for the members of the Tsawwassen First Nation and the surrounding communities. The first floor will include a commercial grade kitchen, staff offices, art room, computer lab, library, washrooms, a kindergarten to grade 7 activity room, and a gallery. The second floor will include a multi-purpose room, a music and dance room, a teen activity room, a weight room, washrooms with showers, and storage spaces. The facility will be open for use for everyone including those with any barriers or developmental and physical disabilities and will create a sense of unity while reflecting TFN and Coast Salish cultural perspectives. The building will be inclusive to all genders, races and ethnicities and will be a centre of excellence in the region.
	Tsawwassen First N					
Community, Culture and Recreation		Indigenous Cultural Centre and Nature Park	\$4,000,000	\$1,600,000	2019-08-27	This project will build a new Indigenous Cultural Centre and will improve the Nature Park in Lake Country. The new space will include multi-purpose program space, exhibition gallery/event hall, outdoor patio, public washrooms, meeting room, kitchen. The District is partnering with the Okanagan Indian Band on planning, design, and programming.
	Lake Country					
Community, Culture and Recreation		Williams Lake Indian Band Administrative & Community Building	\$1,990,920	\$1,493,190	2019-08-27	The Williams Lake Indian Band will construct a community facility, this project will feature a community hub, meeting centre, citizens' archive, museum, administrative offices, and arts and artifacts display space for members of WLIB and the general public to visit and use. Creating this space would open up opportunities for a range of community development initiatives to take place, including workshops, support groups, organization meetings, classes, and events.
	T'xelcenc (Williams Lake First Nation)					

Annex A
ICIP Projects - British Columbia

Stream	Location	Title	Total Eligible Cost	Program Contribution	Approval Date	Description
Community, Culture and Recreation	Sumas First Nation	Sema:th Multiplex Facility	\$8,839,900	\$6,629,925	2019-08-27	This project will build a new, culturally relevant, multi-purpose community and recreation facility (approx. 18,740 sq.ft.) on the Sumas First Nation reserve (Indian Reservation 6) in Kilgard, outside Abbotsford, serving on-reserve residents and open to the general public. The facility will include a community hall/gymnasium, boardroom, hydrotherapy room, large kitchen, fitness centre, and pedestrian bridge over the neighbouring creek.

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de la *loi sur l'accès à l'information***



November 15, 2018

The Right Honourable Justin Trudeau, PC, MP
Prime Minister of Canada
House of Commons
Ottawa, ON K1A 0A6

Dear Prime Minister:

The Government of British Columbia would like to commend the Government of Canada for its continued commitment to climate action, particularly for the leadership you demonstrated by putting a price on carbon. I am writing today to propose joint action that could have an immediate and positive impact to reduce greenhouse gas emissions in a key sector of the economy.

In 2016, the Government of Canada released the Pan Canadian Framework on Clean Growth and Climate Change, which outlined potential areas of collaboration between the federal government and the provinces, including bringing BC's clean energy to the natural gas sector. The Pan Canadian Framework specifically referenced the potential for "new transmission lines and other public electrification infrastructure that could serve up to 760 megawatts of upstream natural gas processing load and avoid up to 4 Mt of emissions per year". Following up on this commitment, *Budget 2017* laid out the Government of Canada's plan to invest \$21.9 billion in green infrastructure, including initiatives that support the implementation of the Pan-Canadian Framework.

Building on the successful collaboration between British Columbia and the Government of Canada on methane regulations, British Columbia would like to continue this cooperation and expand the electrification of BC's upstream natural gas sector. CleanBC, our new provincial climate strategy will be released in early December and will prioritize the electrification of the upstream natural gas sector as a means of meeting our climate commitments.

Upstream natural gas producers have a choice in the fuel they use in their operations. Once natural gas is chosen as a fuel source for gas processing, the associated emissions are locked in for the estimated 40-year life of the project. We want producers to choose to electrify their

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**Office of the
Premier**

Web Site:
www.gov.bc.ca

Mailing Address:
PO Box 9041 Stn Prov Govt
Victoria BC V8W 9E1

Location:
Parliament Buildings
Victoria

operations so that those emissions are avoided. However, the transmission capacity in the Montney area, where 80 percent of British Columbia's natural gas is produced, is insufficient to meet the demand for electricity. In addition, the costs of interconnecting to the electricity grid can be a significant barrier for producers not located close to major transmission lines. Combined with the expected growth in natural gas production, there is urgency in developing transmission and interconnection solutions to ensure that upstream producers can choose to electrify, with the knowledge that the infrastructure will be in place by the time the electricity is needed.

BC Hydro developed a list of projects (enclosed) that are needed to support electrification in the sector. The first three projects on the list reflect the British Columbia's most urgent priorities:

- an interconnection fund that will reduce barriers for upstream producers who face significant interconnection costs. Unless interconnection costs can be offset, these gas producers are likely to choose to use natural gas in their operations.
- the Bear Mountain to Dawson Creek Voltage Conversion project that will increase transmission capacity in the Dawson Creek area and enable BC Hydro to supply a growing number of new natural gas processing facilities in the region.
- the North Montney Power Supply project that will enable producers like Progress Energy to electrify gas production for the LNG Canada facility.

These three projects are all near-term and need to be implemented over the next five years. Combined, the projects have the potential to avoid up to 2.5 megatonnes of emissions per year at an estimated capital cost of \$680 million. We invite the Government of Canada to continue to build on our collaborative successes and participate in this opportunity to develop a strong natural gas sector while improving its environmental performance. In addition to our current funding request for the Peace Region Electricity Supply project, British Columbia is seeking a notional commitment from the Government of Canada of \$340 million as soon as possible in order that in early December we can announce together an envelope for upstream electrification to support our joint efforts on climate. Formal joint announcements on specific projects can be arranged as they proceed.

Like your government, British Columbia is committed to reconciliation with Indigenous Peoples and encourages their participation in these important projects. As such, early engagement with Indigenous leaders should be a priority.

A federal funding contribution for this package of transmission projects, which results in significant amounts of avoided emissions, aligns with the Government of Canada's Pan Canadian Framework, Generation Energy work and the Investing in Canada Plan and demonstrates that both Canada and British Columbia are deeply committed to reducing and avoiding emissions in the upstream natural gas sector, and delivering products to international markets differentiated by their low carbon intensity.

.../3

Again, I want to commend you for your commitment to action in the fight against climate change. British Columbia has been a leader among provinces and territories in tackling this challenge. As the new measures under your national initiative on carbon pricing come into effect, we look forward to working with your officials to ensure British Columbians see equivalent benefits to those forecast for residents of other provinces. In the meantime, I look forward to building an even stronger partnership along the lines I have indicated here.

Sincerely,

A handwritten signature in black ink, reading "John J. Horgan", followed by a long horizontal flourish.

John Horgan
Premier

Enclosure: Priority list of transmission projects to electrify BC's natural gas sector.

Priority near term (10 years) infrastructure projects that would enable electrification of natural gas and LNG production to achieve significant GHG reductions (~2.5 MT).

Project	Timing and Scope	Estimated Cost	New load /GHG reduction
Interconnection Support Support customer interconnection costs to reduce barrier to connect that have fuel choice (CREW Groundbirch, Conoco Phillips, Coastal Gaslink Wilde Lake, ARC Dawson)	2019-2023: - 50% of actual costs (max \$15M) for customer extension & substation Customer would be responsible for 50% of interconnection costs (or more if the interconnection cost is greater than \$30M)	~\$120M	~150 MW ~0.7 MT CO ₂ e
BMT/DAW Voltage Conversion - Voltage conversion in Dawson Creek area (138kV to 230 kV) - May be required to interconnect new customer projects (Enbridge Tupper, Enbridge Dawson, Encana 15-27 Booster Compressor, ARC Dawson 3 & 4)	By 2021: - Two 230kV shunt capacitors, two line positions at Bear Mountain (BMT) sub - 230kV switchyard at Dawson Creek (DAW) substation with three transformers and two line positions - Re-terminate 1L348 and 1L350 on 230kV buses at BMT & DAW	~\$160M	~200 MW ~0.9MT CO ₂ e
North Montney - Extend system to new north Peace cluster of customers (Progress Energy, Conoco Phillips, AltaGas Townsend and Canbriam)	By 2024: - 150km of 230kV line north from GM Shrum (GMS) Substation - Two new 230kV substations - One line position and associated equipment at GMS	~\$400 M	~200 MW ~0.9 MT CO ₂ e
TOTALS		~\$680 M	~550 MW ~2.5 MT CO ₂ e



SCENARIO NOTE TO THE DEPUTY MINISTER

MEETING OF THE FEDERAL – BRITISH COLUMBIA WORKING GROUP

MEETING DETAILS

- **DATE/TIME:** July 3, 2019, 2:30 to 3:30 p.m.
- **LOCATION:** Conference call
- **PARTICIPANTS:**
 - Christiane Fox, Federal Deputy Minister, Intergovernmental Affairs and Youth, Privy Council Office
 - Stephen Lucas, Federal Deputy Minister, Environment and Climate Change Canada
 - Christyne Tremblay, Federal Deputy Minister, Natural Resources Canada
 - Bobbi Plecas, Provincial Deputy Minister, Intergovernmental Relations
 - Dave Nikolejsin, Provincial Deputy Minister, Ministry of Energy, Mines and Petroleum Resources
 - Mark Zacharias, Provincial Deputy Minister, Ministry of Environment and Climate Change Strategy
 - Wes Shoemaker, Provincial Deputy Minister, Ministry of Agriculture
 - John Allan, Provincial Deputy Minister, Ministry of Forests, Lands, Natural Resource Operations & Rural Development
 - Kaye Krishna, Provincial Deputy Minister, Ministry of Municipal Affairs and Housing
 - Grant Main, Provincial Deputy Minister, Ministry of Transportation and Infrastructure
 - Glenn Campbell, Federal Assistant Deputy Minister, IPI, INFC

PURPOSE

- This is the second meeting of the Federal-Provincial Working Group. It will have a series of agenda items, but only one – a return discussion on the electrification of the upstream natural gas sector – is related to infrastructure. Speaking points follow at end of this memo. For reference, the full meeting agenda as of June 28 is attached as **Annex A**.

PROTECTED B

HIGHLIGHTS/KEY CONSIDERATIONS

- The key infrastructure priority for British Columbia (BC) is the electrification of its northern natural gas fields, which often rely on natural gas to produce electricity to use in their operations. Switching to clean hydroelectricity to compress natural gas into a liquefied state would allow the sector to reduce the use of natural gas fueled compressors for the same purpose. A reduced emission footprint for the sector could make BC's LNG more attractive in the international export market. BC is taking active steps to electrify its northern gas fields as part of its Northern BC Energy Strategy.
- BC has identified two key projects in support of its electrification agenda: 1) the Bear Mountain to Dawson Creek Voltage Conversion Project and 2) The North Montney Power Supply Project – projected total project costs of \$780 million, with Premier Horgan having requested federal support of \$340 million for these projects [REDACTED] Further project details and a regional map of the Montney region projects in Northern BC is attached at **Annex B**.
- The electrification of the gas fields involves large capital costs that significantly surpass BC's ICIP allocations. As a result, BC is working toward a Memorandum of Understanding with the Government of Canada that would involve joint identification of projects to reduce or avoid emissions in the upstream natural gas sector [REDACTED] A copy of the draft MOU is attached at **Annex C**.

KEY BACKGROUND

BC Energy Strategy and Longer-Term LNG Build Out

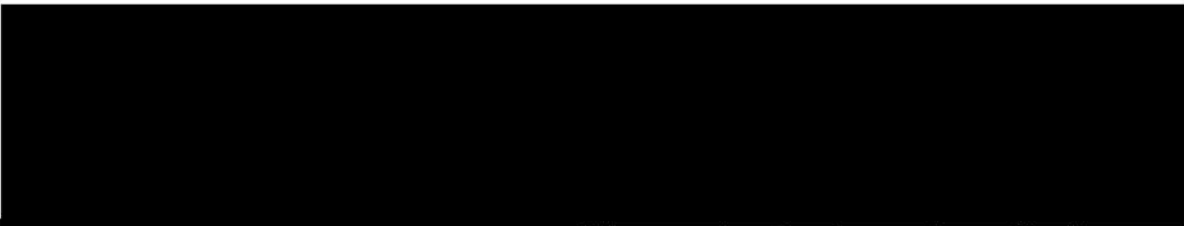
- In November 2018, Premier Horgan wrote the Prime Minister requesting \$340M to support, on a 50 percent cost-share, grid enhancement in the province's natural gas fields, which are primarily located in the Montney Basin in Northern BC and are a key component of the Northern BC Energy Strategy. A copy of the exchange of letters between Premier Horgan and the Prime Minister are attached in **Annex D**.

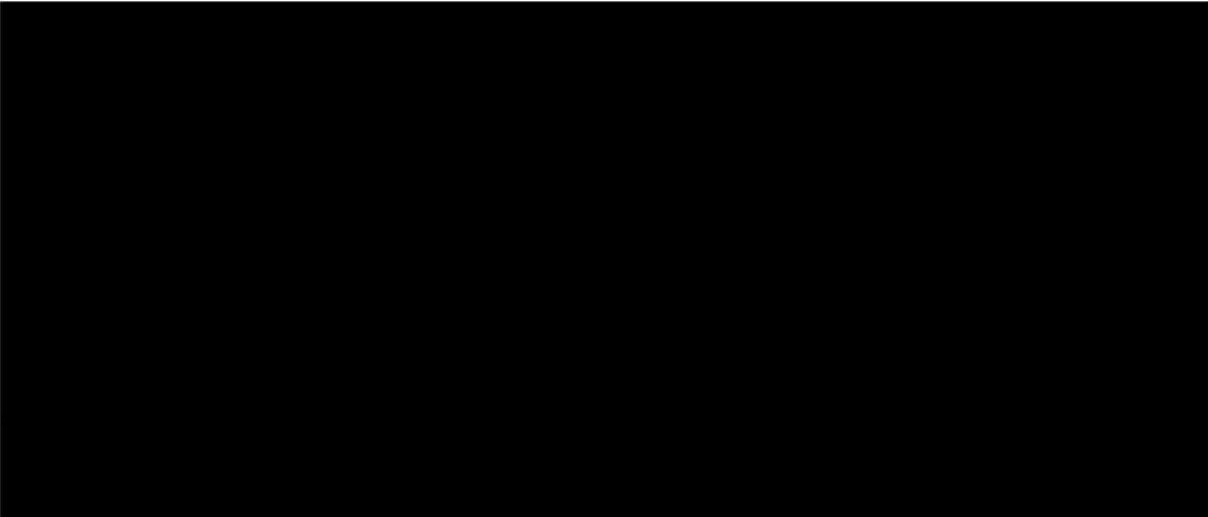
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Annex E).

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At present, natural gas prices offer the sector a low cost method of producing energy, relative to hydroelectricity electricity, to compress natural gas into a liquid state for transport through pipelines.



BC Green Stream Funding and Electrification

- In his letter to the Prime Minister, Premier Horgan did not reference available funding under ICIP for natural gas electrification projects.
- Under ICIP, BC has been allocated approximately \$903M under the Green Infrastructure stream, a minimum of \$406M of which must be spent on projects under the Climate Change Mitigation sub-stream. 


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- Under the ICIP's Green Infrastructure stream, electrical generation and transmission projects are eligible for funding if they support the immediate outcomes of: *Increased capacity to manage more renewable energy*, or *Increased generation of clean energy*. The provincial and territorial allocation consists of a base amount of \$200M per jurisdiction, while the remainder is allocated on a per capita basis. Under the Green Infrastructure stream, a minimum of 45% of a province's allocation must be invested in greenhouse gas emission mitigation projects.
- BC has allocated nearly half of their ICIP allocation to date through 13 approved projects, with an additional 17 under review and an additional 18 expected in the coming weeks. To date, one related electricity project, the Peace Region Electricity Supply (PRES) Project, has been approved for just over \$83M in federal funding under ICIP.
- On May 31, 2019, BC submitted an update to its three-year Infrastructure Plan.

Annex F).

Attachments:

Annex A – Meeting Agenda, as of June 28

Annex B – BC Electrification Projects and Northern BC Natural Gas Electrification (map)

Annex C – Memorandum of Understanding between the Government of Canada and the Government of British Columbia on the Electrification of the Upstream Natural Gas Sector

Annex D – Exchange of Letters – Premier Horgan and Prime Minister Trudeau

Annex E –

Annex F – BC Infrastructure Plan – Project Plan (updated May 31, 2019)

PROPOSED TALKING POINTS

Investing in Canada Infrastructure Program

- We are appreciative of the collaborative approach adopted by BC in the implementation of the Investing in Canada Infrastructure Program.
- BC has made significant investments under the Public Transit Infrastructure stream to support projects in the Lower Mainland and throughout BC.
- We are reviewing a number of environmental quality projects under the Green Infrastructure stream that will see communities across BC meet, or exceed, federal and provincial water and wastewater regulations.
- While electrical projects are eligible under the Investing in Canada Infrastructure Program's Green Infrastructure stream, provinces and territories have shown some reluctance to prioritize them given their size and cost.
- That said, we have seen some success such as the Peace River Electricity Supply Project, with just over \$83M in federal funding being approved. BC's updated three-year Infrastructure Plan also prioritizes the Prince George to Terrace Capacitors Project and the BC Hydro Interconnection Fund.
- We remain committed to working with our provincial and territorial partners to identify gaps and needs in federal infrastructure funding programs.

Canada Infrastructure Bank

- The Canada Infrastructure Bank has had success in initiating early discussions with some jurisdictions on electrical generation and connectivity projects.
- I understand that the Bank has recently met with BC Hydro, and that the Bank and BC Hydro are working collaboratively and discussing potential partnerships to support transmission projects that would enable the electrification of upstream natural gas production.
 - We would encourage officials from the provincial ministries to participate in continued discussions with BC Hydro, the Bank, along with Natural Resources Canada, and with the support of INFC, to examine options to advance priorities related to hydroelectricity and interconnectivity.
- The Bank is well placed to consider certain projects of appropriate scale and structure, where its model could be deployed to engage public and private partnerships and use innovative financing tools, but it requires specific projects and plans to consider as part of its advisory or investment role.
- Natural Resources Canada is well placed to facilitate these discussions given its success in working with PTs in the strategic planning of interties.

ANNEX A

FEDERAL-BRITISH COLUMBIA DEPUTY MINISTERS' COMMITTEE

TELECONFERENCE – JULY 3, 2019

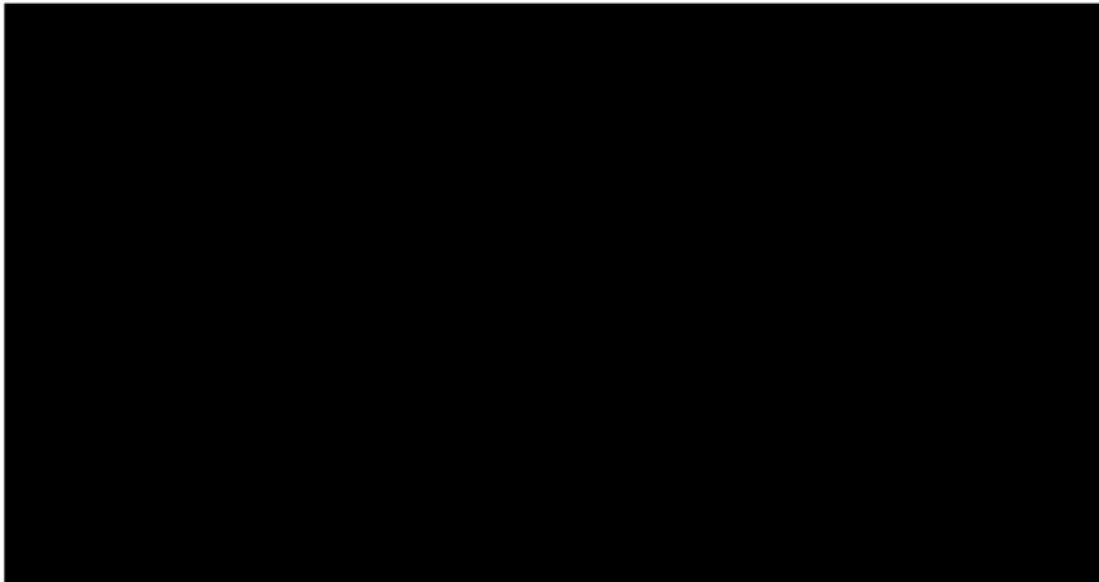
4:00 – 5:00 p.m. ET / 1:00 – 2:00 p.m. PT

Dial-in: 1-877.413.4790 or 613.960.7514

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AGENDA

1. Introduction (B. Plecas and C. Fox)



BC Electrification Projects

Bear Mountain to Dawson Creek Voltage Conversion project

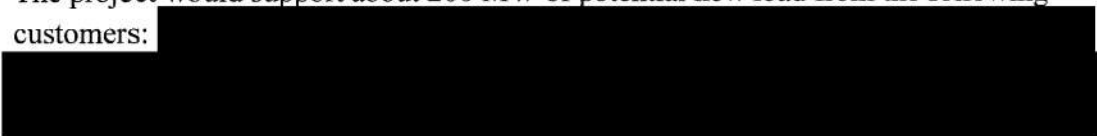
- Electricity demand in the South Peace region is increasing, mainly driven by the gas industry. Even with the Peace Region Electricity Supply project, there are constraints between Bear Mountain and Dawson Creek that will limit the ability to connect new loads in that area.
- The Bear Mountain to Dawson Creek Voltage Conversion project (BMT-DAW) will convert the existing 138 kilovolt (kV) lines between the Bear Mountain and Dawson Creek substations to 230 kV, and add 230/138 kV transformers at Dawson Creek substation, increasing the transmission capacity in the Dawson Creek area and allowing BC Hydro to serve additional customers.
- The order of magnitude estimated cost of the project is \$160 M. The project would support up to 200 MW of potential new load from the following customers:

Customer	Project	Year	Capacity (MW)	GHG (MT CO ₂ e)
Enbridge	Tupper West	2020	40	0.18
Enbridge	Dawson	2022	40	0.18
ARC	Dawson	2023	80	0.35
Total			160	0.7

- Note: since the time of the Premier's letter to the Prime Minister, Encana has halted their ~40 MW project which was an expansion of two existing facilities. Other customer projects will develop over time which will utilize this capacity.*



North Montney Power Supply project

- The North Montney natural gas field northeast of the GM Shrum generating station is one of the sources for natural gas for LNG Canada and other proposed LNG facilities.
- Upstream gas producers active in this area are developing several gas plants and an opportunity exists to have these gas plant use electric drive compressors instead of natural gas drive compressors.
- The lack of transmission infrastructure in this region is the main impediment to these potential customers connecting to and taking service from BC Hydro because it is uneconomic for any single customer or group of customers to build a transmission extension to this area.
- The project would support about 200 MW of potential new load from the following customers:

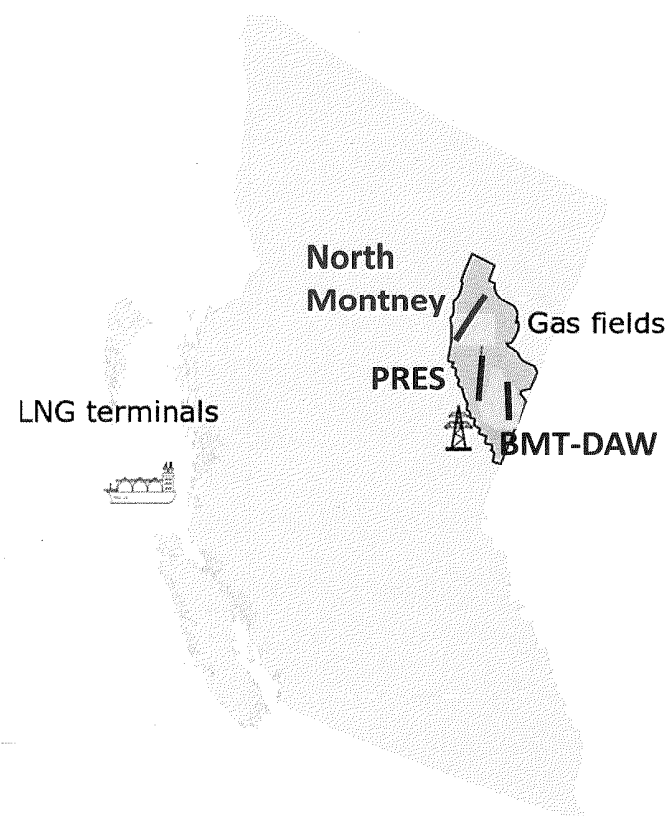
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de la *loi sur l'accès à l'information***

ANNEX B

Northern BC Natural Gas Electrification

- In a letter sent November 15, Premier Horgan sought \$340M to support additional transmission projects to further electrify natural gas production, including:
 - Voltage conversion of existing Bear Mountain-Dawson Creek transmission system from 138 to 230 kV (BMT-DAW)
 - New transmission to North Montney to service new customers (North Montney)
 - An interconnection fund to reduce interconnection costs for customers (not shown on map)
- Expected reductions of 2.5Mt / annually at a total project cost of \$780M.



**MEMORANDUM OF UNDERSTANDING BETWEEN
THE GOVERNMENT OF CANADA
AND
THE GOVERNMENT OF BRITISH COLUMBIA
ON THE ELECTRIFICATION OF THE UPSTREAM NATURAL GAS SECTOR**

WHEREAS:

- In 2016, the governments of Canada and British Columbia (hereinafter “the participants”) released the Pan-Canadian Framework on Clean Growth and Climate Change, which outlined potential areas of collaboration between the Government of Canada and the provinces, including bringing British Columbia’s clean energy to the natural gas sector;
- The governments of Canada and British Columbia have mutual interests in reducing greenhouse gas emissions and growing the economy;
- The Government of British Columbia, in December 2018, released CleanBC, its new provincial climate change strategy, which prioritized the electrification of the upstream natural gas sector as a means of meeting its climate change commitments;
- Electrification of upstream gas and liquefied natural gas were jointly studied by the governments of British Columbia and Canada in the Regional Electricity Cooperation and Strategic Infrastructure Initiative and were among the most cost effective electricity infrastructure projects identified in western Canada;
- British Columbia has already been making investments in its grid to enable electrification of the natural gas industry, and as part of this, in April 2019, the Government Canada announced that it is providing up to \$83.6 million towards the Peace Region Electricity Supply project through the Investing in Canada Plan, with BC Hydro providing the remaining \$205.4 million;
- The governments of British Columbia and Canada have a shared interest in electrifying not only natural gas production but also liquefied natural gas production to build Canada’s clean energy brand as a supplier of the world’s cleanest gas;

- The governments of British Columbia and Canada recognize that reliable, adequate, and affordable access to electricity for liquefied natural gas proponents is a key factor in influencing investment decisions.

THEREFORE, the participants have mutually decided the following:

Purpose

1. The purpose of this Memorandum of Understanding is to strengthen partnerships between the participants in the area of electrification of the upstream natural gas sector in British Columbia.

Joint actions

2. The participants will jointly develop an initiative to provide support to the electrification of the upstream natural gas sector in British Columbia.
3. The initiative will include identification of joint projects that will reduce and avoid emissions in the upstream natural gas sector, including, but not limited to:
 - a. The Bear Mountain to Dawson Creek Voltage Conversion project; and
 - b. The North Montney Power Supply project.
4. The participants will jointly decide on overall resource levels to be devoted to the initiative undertaken in this Memorandum.
5. The participants will each provide an equal amount of resources, within five years, to be devoted to the initiative undertaken through this Memorandum.

Engagement and collaboration with Indigenous peoples

6. The participants will engage with Indigenous groups to help ensure that Indigenous views are appropriately reflected in the initiative undertaken through this Memorandum.

Modification and discontinuance

7. This Memorandum may be modified by mutual decision of the participants in writing at any time.
8. Either participant may discontinue their participation in this Memorandum by giving the other participant notice in writing.

Coordination and implementation

9. The Government of Canada's Deputy Minister of Intergovernmental Affairs and Youth and the Government of British Columbia's Deputy Minister of Intergovernmental Relations Secretariat, Office of the Premier, will be

responsible for leading the coordination and implementation of the commitments of the participants set out in this Memorandum.

10. They will be supported by a Canada-British Columbia Clean Power Planning Committee, with senior representatives from both jurisdictions, including BC Hydro, who will:
 - a. Examine actions to advance natural gas and liquefied natural gas electrification, including near-term transmission options to both the Kitimat and Prince Rupert area [as well as considering potential British Columbia-Alberta transmission interconnections];
 - b. Improve cross-government coordination to connect existing funding sources to identified priorities, especially with respect to federal infrastructure funding;
 - c. Develop and consider new and/or alternative financing models that can advance priority transmission projects, which may include Indigenous or other private sector ownership and participation by the Canada Infrastructure Bank.
11. The participants will resolve any dispute or difference between them arising from this Memorandum through consultation.
12. This Memorandum does not create any enforceable legal or equitable rights, or obligations, but merely acknowledges the intentions of the participants to pursue mutually beneficial initiatives and activities.

Signed in duplicate at [place], on [date], in English and French, with each version being equally valid.

The Honourable
Government of Canada

The Honourable
Government of British Columbia

**Page(s) 51 to 52
are withheld
pursuant to paragraph
14
of the *Access to Information Act***

**La/les page(s) 51 à 52
Font l'objet d'une exception totale
conformément aux dispositions de paragraphe
14
de la *loi sur l'accès à l'information***



November 15, 2018

The Right Honourable Justin Trudeau, PC, MP
Prime Minister of Canada
House of Commons
Ottawa, ON K1A 0A6

Dear Prime Minister:

The Government of British Columbia would like to commend the Government of Canada for its continued commitment to climate action, particularly for the leadership you demonstrated by putting a price on carbon. I am writing today to propose joint action that could have an immediate and positive impact to reduce greenhouse gas emissions in a key sector of the economy.

In 2016, the Government of Canada released the Pan Canadian Framework on Clean Growth and Climate Change, which outlined potential areas of collaboration between the federal government and the provinces, including bringing BC's clean energy to the natural gas sector. The Pan Canadian Framework specifically referenced the potential for "new transmission lines and other public electrification infrastructure that could serve up to 760 megawatts of upstream natural gas processing load and avoid up to 4 Mt of emissions per year". Following up on this commitment, *Budget 2017* laid out the Government of Canada's plan to invest \$21.9 billion in green infrastructure, including initiatives that support the implementation of the Pan-Canadian Framework.

Building on the successful collaboration between British Columbia and the Government of Canada on methane regulations, British Columbia would like to continue this cooperation and expand the electrification of BC's upstream natural gas sector. CleanBC, our new provincial climate strategy will be released in early December and will prioritize the electrification of the upstream natural gas sector as a means of meeting our climate commitments.

Upstream natural gas producers have a choice in the fuel they use in their operations. Once natural gas is chosen as a fuel source for gas processing, the associated emissions are locked in for the estimated 40-year life of the project. We want producers to choose to electrify their

.../2

**Office of the
Premier**

Web Site:
www.gov.bc.ca

Mailing Address:
PO Box 9041 Stn Prov Govt
Victoria BC V8W 9E1

Location:
Parliament Buildings
Victoria

operations so that those emissions are avoided. However, the transmission capacity in the Montney area, where 80 percent of British Columbia's natural gas is produced, is insufficient to meet the demand for electricity. In addition, the costs of interconnecting to the electricity grid can be a significant barrier for producers not located close to major transmission lines. Combined with the expected growth in natural gas production, there is urgency in developing transmission and interconnection solutions to ensure that upstream producers can choose to electrify, with the knowledge that the infrastructure will be in place by the time the electricity is needed.

BC Hydro developed a list of projects (enclosed) that are needed to support electrification in the sector. The first three projects on the list reflect the British Columbia's most urgent priorities:

- an interconnection fund that will reduce barriers for upstream producers who face significant interconnection costs. Unless interconnection costs can be offset, these gas producers are likely to choose to use natural gas in their operations.
- the Bear Mountain to Dawson Creek Voltage Conversion project that will increase transmission capacity in the Dawson Creek area and enable BC Hydro to supply a growing number of new natural gas processing facilities in the region.
- the North Montney Power Supply project that will enable producers like Progress Energy to electrify gas production for the LNG Canada facility.

These three projects are all near-term and need to be implemented over the next five years. Combined, the projects have the potential to avoid up to 2.5 megatonnes of emissions per year at an estimated capital cost of \$680 million. We invite the Government of Canada to continue to build on our collaborative successes and participate in this opportunity to develop a strong natural gas sector while improving its environmental performance. In addition to our current funding request for the Peace Region Electricity Supply project, British Columbia is seeking a notional commitment from the Government of Canada of \$340 million as soon as possible in order that in early December we can announce together an envelope for upstream electrification to support our joint efforts on climate. Formal joint announcements on specific projects can be arranged as they proceed.

Like your government, British Columbia is committed to reconciliation with Indigenous Peoples and encourages their participation in these important projects. As such, early engagement with Indigenous leaders should be a priority.

A federal funding contribution for this package of transmission projects, which results in significant amounts of avoided emissions, aligns with the Government of Canada's Pan Canadian Framework, Generation Energy work and the Investing in Canada Plan and demonstrates that both Canada and British Columbia are deeply committed to reducing and avoiding emissions in the upstream natural gas sector, and delivering products to international markets differentiated by their low carbon intensity.

.../3

Again, I want to commend you for your commitment to action in the fight against climate change. British Columbia has been a leader among provinces and territories in tackling this challenge. As the new measures under your national initiative on carbon pricing come into effect, we look forward to working with your officials to ensure British Columbians see equivalent benefits to those forecast for residents of other provinces. In the meantime, I look forward to building an even stronger partnership along the lines I have indicated here.

Sincerely,

A handwritten signature in black ink, reading "John J. Horgan", followed by a long horizontal flourish.

John Horgan
Premier

Enclosure: Priority list of transmission projects to electrify BC's natural gas sector.

Priority near term (10 years) infrastructure projects that would enable electrification of natural gas and LNG production to achieve significant GHG reductions (~2.5 MT).

Project	Timing and Scope	Estimated Cost	New load /GHG reduction
Interconnection Support Support customer interconnection costs to reduce barrier to connect that have fuel choice (CREW Groundbirch, Conoco Phillips, Coastal Gaslink Wilde Lake, ARC Dawson)	2019-2023: - 50% of actual costs (max \$15M) for customer extension & substation Customer would be responsible for 50% of interconnection costs (or more if the interconnection cost is greater than \$30M)	~\$120M	~150 MW ~0.7 MT CO ₂ e
BMT/DAW Voltage Conversion - Voltage conversion in Dawson Creek area (138kV to 230 kV) - May be required to interconnect new customer projects (Enbridge Tupper, Enbridge Dawson, Encana 15-27 Booster Compressor, ARC Dawson 3 & 4)	By 2021: - Two 230kV shunt capacitors, two line positions at Bear Mountain (BMT) sub - 230kV switchyard at Dawson Creek (DAW) substation with three transformers and two line positions - Re-terminate 1L348 and 1L350 on 230kV buses at BMT & DAW	~\$160M	~200 MW ~0.9MT CO ₂ e
North Montney - Extend system to new north Peace cluster of customers (Progress Energy, Conoco Phillips, AltaGas Townsend and Canbriam)	By 2024: - 150km of 230kV line north from GM Shrum (GMS) Substation - Two new 230kV substations - One line position and associated equipment at GMS	~\$400 M	~200 MW ~0.9 MT CO ₂ e
TOTALS		~\$680 M	~550 MW ~2.5 MT CO ₂ e

**Page(s) 57 to 82
are withheld
pursuant to paragraph
14 & 21(1)(b)
of the *Access to Information Act***

**La/les page(s) 57 à 82
Font l'objet d'une exception totale
conformément aux dispositions de paragraphe
14 & 21(1)(b)
de la *loi sur l'accès à l'information***

Rideout, Colin (INFC)

From: Gillis, Kelly (INFC)
Sent: June 17, 2019 5:06 PM
To: Judd, Christian (INFC)
Cc: Fortin3, Marc (INFC); Eyre, Jennifer (INFC)
Subject: Re: follow-up: BC

Thanks - could you please send me a fe bullets on what we would look for or need to be included for eligibility. Tks

Sent from my iPhone

On Jun 17, 2019, at 4:59 PM, Judd, Christian (INFC) <christian.judd@canada.ca> wrote:

Hi there

[REDACTED]

Happy to answer any other questions. Thanks,

Christian

From: Gillis, Kelly (INFC)
Sent: June 17, 2019 4:38 PM
To: Judd, Christian (INFC) <christian.judd@canada.ca>
Cc: Fortin3, Marc (INFC) <marc.fortin3@canada.ca>; Eyre, Jennifer (INFC) <jennifer.eyre@canada.ca>
Subject: Fwd: follow-up: BC
Hi Christian see question below [REDACTED]

Sent from my iPhone

Begin forwarded message:

From: "Fox, Christiane" <Christiane.Fox@pco-bcp.gc.ca>
Date: June 17, 2019 at 4:30:58 PM EDT
To: "Tremblay, Christyne (NRCAN/RNCAN)" <christyne.tremblay@canada.ca>, "Lucas, Stephen (EC)" <stephen.lucas@canada.ca>, "Gillis, Kelly (INFC)" <kelly.gillis@canada.ca>
Cc: "Lynch, Matthew" <Matthew.Lynch@pco-bcp.gc.ca>, "Ferguson, Eric" <Eric.Ferguson@pco-bcp.gc.ca>, "Dittburner, Carolyn" <Carolyn.Dittburner@pco-bcp.gc.ca>, "Tapley, Catrina" <Catrina.Tapley@pco-bcp.gc.ca>, "Halucha, Paul" <Paul.Halucha@pco-bcp.gc.ca>, "Hargrove, Glenn" <Glenn.Hargrove@pco-bcp.gc.ca>
Subject: follow-up: BC

Hi,

[REDACTED]



Chris

Christiane Fox

Deputy Minister of Intergovernmental Affairs and Youth / Sous-ministre des Affaires
intergouvernementales et de la jeunesse

66 Slater, 9th floor / 9^e étage

Office / Bureau: (613) 996-4937

Cell: [REDACTED]

Christiane.fox@pco-bcp.gc.ca

Rideout, Colin (INFC)

From: Lechasseur, Nathalie (INFC)
Sent: June 24, 2019 9:55 AM
To: Fortin3, Marc (INFC); Faruqui, Natasha (INFC)
Cc: Bossé, Natalie (INFC); Picard, Helene (INFC); Judd, Christian (INFC); La Rue, Jean-François (INFC); Cote, Chantale (INFC)
Subject: ops debrief

- [REDACTED]
- DMs retreat tmr (DM has few questions, policy will look over)

- [REDACTED]
- PCO-IGA are developing an MOU with BC to work on a relationship about electrification, not yet any \$ identified for that, next call schedule July 3rd.

Merci
Nathalie

Nathalie Lechasseur, Ing. MGP

Director General, Program Integration
Infrastructure Canada / Government of Canada
nathalie.lechasseur@canada.ca / Tel : 613-960-9500

Directrice générale, Intégration des programmes
Infrastructure Canada / Gouvernement du Canada
nathalie.lechasseur@canada.ca / Tel : 613-960-9500

Rideout, Colin (INFC)

From: Fortin3, Marc (INFC)
Sent: June 24, 2019 6:18 PM
To: Judd, Christian (INFC)
Cc: Ouellette, Michele (INFC)
Subject: FW: electrification - BC
Attachments: PCO_BNET-#537676-v2-Memorandum_of_Understanding_Canada-British_Columbia_upstream_natural_gas_electrification.DOCX

Here's the draft MOU , don't think it change much your previous feedback, let me know

From: Gillis, Kelly (INFC)
Sent: June 23, 2019 9:55 AM
To: Geerts, Line (INFC) <line.geerts@canada.ca>
Subject: FW: electrification - BC

From: Fox, Christiane
Sent: June 23, 2019 9:53:46 AM (UTC-05:00) Eastern Time (US & Canada)
To: Lucas, Stephen (EC); Gillis, Kelly (INFC); Rochon, Paul (FIN); Yaskiel, Ava (FIN); Halverson, Soren (FIN); Botham, Richard (FIN)
Cc: Tapley, Catrina; Halucha, Paul; Hargrove, Glenn; Tremblay, Christyne (NRCAN/RNCAN); Khosla, Jay (NRCAN/RNCAN); Presutti, Marco (NRCAN/RNCAN); Fitzpatrick, Ron; Ferguson, Eric; Dittburner, Carolyn
Subject: electrification - BC

Hi,



Chris

**MEMORANDUM OF UNDERSTANDING BETWEEN
THE GOVERNMENT OF CANADA
AND
THE GOVERNMENT OF BRITISH COLUMBIA
ON THE ELECTRIFICATION OF THE UPSTREAM NATURAL GAS SECTOR**

WHEREAS:

- In 2016, the governments of Canada and British Columbia (hereinafter “the participants”) released the Pan-Canadian Framework on Clean Growth and Climate Change, which outlined potential areas of collaboration between the Government of Canada and the provinces, including bringing British Columbia’s clean energy to the natural gas sector;
- The governments of Canada and British Columbia have mutual interests in reducing greenhouse gas emissions and growing the economy;
- The Government of British Columbia, in December 2018, released CleanBC, its new provincial climate change strategy, which prioritized the electrification of the upstream natural gas sector as a means of meeting its climate change commitments;
- Electrification of upstream gas and liquefied natural gas were jointly studied by the governments of British Columbia and Canada in the Regional Electricity Cooperation and Strategic Infrastructure Initiative and were among the most cost effective electricity infrastructure projects identified in western Canada;
- British Columbia has already been making investments in its grid to enable electrification of the natural gas industry, and as part of this, in April 2019, the Government Canada announced that it is providing up to \$83.6 million towards the Peace Region Electricity Supply project through the Investing in Canada Plan, with BC Hydro providing the remaining \$205.4 million;
- The governments of British Columbia and Canada have a shared interest in electrifying not only natural gas production but also liquefied natural gas production to build Canada’s clean energy brand as a supplier of the world’s cleanest gas;
- The governments of British Columbia and Canada recognize that reliable, adequate, and affordable access to electricity for liquefied natural gas proponents is a key factor in influencing investment decisions.

THEREFORE, the participants have mutually decided the following:

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 - b. The North Montney Power Supply project.
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5. The participants will each provide an equal amount of resources, within five years, to be devoted to the initiative undertaken through this Memorandum.

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6. The participants will engage with Indigenous groups to help ensure that Indigenous views are appropriately reflected in the initiative undertaken through this Memorandum.

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10. They will be supported by a Canada-British Columbia Clean Power Planning Committee, with senior representatives from both jurisdictions, including BC Hydro, who will:
- a. Examine actions to advance natural gas and liquefied natural gas electrification, including near-term transmission options to both the Kitimat and Prince Rupert area [as well as considering potential British Columbia-Alberta transmission interconnections];
 - b. Improve cross-government coordination to connect existing funding sources to identified priorities, especially with respect to federal infrastructure funding;
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Signed in duplicate at [place], on [date] , in English and French, with each version being equally valid.

The Honourable
Government of Canada

The Honourable
Government of British Columbia

Rideout, Colin (INFC)

From: Gillis, Kelly (INFC)
Sent: June 24, 2019 8:29 PM
To: Fortin3, Marc (INFC)
Cc: Campbell, Glenn (INFC); Chan, Jeanna (INFC); Ouellette, Michele (INFC); Judd, Christian (INFC)
Subject: Re: electrification - BC

Thanks - you [REDACTED] Tks

Sent from my iPhone

On Jun 24, 2019, at 7:56 PM, Fortin3, Marc (INFC) <marc.fortin3@canada.ca> wrote:

- [REDACTED]
- We have some electrification projects currently identified under the Green stream that BC has indicated they intend to advance for federal review/approval – we approved PRES [REDACTED]
[REDACTED] This is really about supporting the LNG sector in the province's northeast sector. Electrification is cleaner than burning the LNG to power these projects so that is why the anticipation is for Canada to support.
- [REDACTED]
- [REDACTED]

From: Gillis, Kelly (INFC)
Sent: June 24, 2019 4:04 PM
To: Campbell, Glenn (INFC) <glenn.campbell@canada.ca>; Fortin3, Marc (INFC) <marc.fortin3@canada.ca>; Chan, Jeanna (INFC) <jeanna.chan@canada.ca>
Subject: Fwd: electrification - BC

FYI - meant to forward this morning. Let any concerns. Tks

Sent from my iPhone

Begin forwarded message:

From: "Botham, Richard (FIN)" <richard.botham@canada.ca>
Date: June 24, 2019 at 3:33:02 PM EDT
To: "Fox, Christiane" <Christiane.Fox@pco-bcp.gc.ca>
Cc: "Tapley, Catrina" <Catrina.Tapley@pco-bcp.gc.ca>, "Halucha, Paul" <Paul.Halucha@pco-bcp.gc.ca>, "Hargrove, Glenn" <Glenn.Hargrove@pco-bcp.gc.ca>, "Tremblay, Christyne (NRCAN/RNCAN)" <christyne.tremblay@canada.ca>, "Khosla, Jay (NRCAN/RNCAN)" <jay.khosla@canada.ca>, "Presutti, Marco (NRCAN/RNCAN)" <marco.presutti@canada.ca>, "Fitzpatrick, Ron" <Ron.Fitzpatrick@pco-bcp.gc.ca>, "Ferguson, Eric" <Eric.Ferguson@pco-bcp.gc.ca>, "Dittburner, Carolyn" <Carolyn.Dittburner@pco-bcp.gc.ca>, "Lucas, Stephen (EC)" <stephen.lucas@canada.ca>, "Gillis, Kelly (INFC)" <kelly.gillis@canada.ca>, "Rochon, Paul (FIN)" <paul.rochon@canada.ca>, "Yaskiel, Ava (FIN)" <ava.yaskiel@canada.ca>, "Halverson, Soren (FIN)" <soren.halverson@canada.ca>
Subject: RE: electrification - BC

richard

Richard Botham
 Assistant Deputy Minister | Sous-ministre adjoint
 Economic Development and Corporate Finance | Développement économique et
 finances intégrées
 Department of Finance Canada | Ministère des Finances Canada
 Ottawa, Canada K1A 0G5
Richard.Botham@Canada.ca
 Telephone | Téléphone 613-369-3623
 Facsimile | Télécopieur 613-369-3618
 Government of Canada | Gouvernement du Canada

<image001.png>

From: Fox, Christiane <Christiane.Fox@pco-bcp.gc.ca>
Sent: Sunday, June 23, 2019 9:54 AM
To: Lucas, Stephen (EC) <stephen.lucas@canada.ca>; Gillis, Kelly (INFC) <kelly.gillis@canada.ca>; Rochon, Paul (FIN) <paul.rochon@canada.ca>; Yaskiel, Ava (FIN) <ava.yaskiel@canada.ca>; Halverson, Soren (FIN) <soren.halverson@canada.ca>; Botham, Richard (FIN) <richard.botham@canada.ca>
Cc: Tapley, Catrina <Catrina.Tapley@pco-bcp.gc.ca>; Halucha, Paul <Paul.Halucha@pco-bcp.gc.ca>; Hargrove, Glenn <Glenn.Hargrove@pco-bcp.gc.ca>; Tremblay, Christyne (NRCAN/RNCAN) <christyne.tremblay@canada.ca>; Khosla, Jay (NRCAN/RNCAN) <jay.khosla@canada.ca>; Presutti, Marco (NRCAN/RNCAN) <marco.presutti@canada.ca>; Fitzpatrick, Ron <Ron.Fitzpatrick@pco-bcp.gc.ca>; Ferguson, Eric <Eric.Ferguson@pco-bcp.gc.ca>; Dittburner, Carolyn

<Carolyn.Dittburner@pco-bcp.gc.ca>

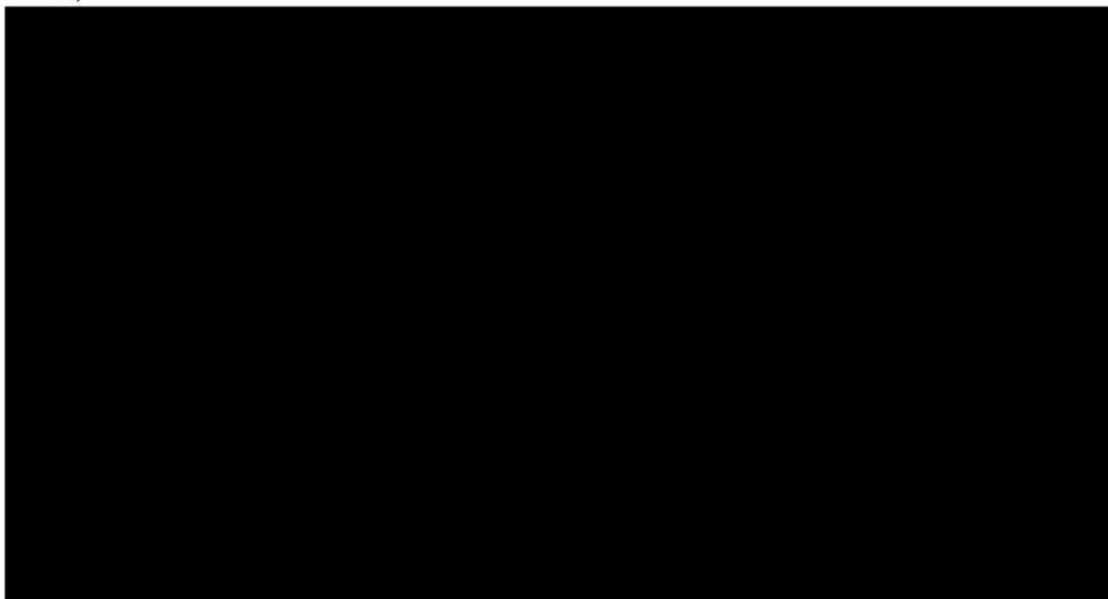
Subject: electrification - BC

ATIA - 14

ATIA - 21(1)(a)

ATIA - 21(1)(b)

Hi,



Chris

Rideout, Colin (INFC)

From: Sloan, Spencer <Spencer.Sloan@pco-bcp.gc.ca>
Sent: June 27, 2019 3:45 PM
To: Judd, Christian (INFC)
Subject: RE: BC Call next week

We're still working on it. Will try to get you something before everyone checks out tomorrow...you surely have to put up a note.

From: Judd, Christian (INFC)
Sent: Thursday, June 27, 2019 3:36 PM
To: Sloan, Spencer
Subject: BC Call next week

Do you happen to know what is on the agenda for the BC DM call next week – would be led by your DM I think. I'm assuming the MOU on electrification – anything else that you know about?

Christian Judd
Director, West | Directeur, Ouest
Program Operations | Opérations des programmes
Infrastructure Canada
Tel: 613-948-2975

Rideout, Colin (INFC)

ATIA - 21(1)(b)

From: Fortin3, Marc (INFC)
Sent: August 23, 2019 9:17 AM
To: Judd, Christian (INFC)
Cc: Picard, Helene (INFC); Chan, Jeanna (INFC)
Subject: Fwd: BC

Sent from my iPhone

Begin forwarded message:

From: "Eyre, Jennifer (INFC)" <jennifer.eyre@canada.ca>
Date: August 23, 2019 at 9:12:40 AM EDT
To: "Fortin3, Marc (INFC)" <marc.fortin3@canada.ca>, "Campbell, Glenn (INFC)" <glenn.campbell@canada.ca>, "Peets, Gerard (INFC)" <gerard.peets@canada.ca>
Cc: "Gillis, Kelly (INFC)" <kelly.gillis@canada.ca>
Subject: Fwd: BC

FYI.

Sent from my iPhone

Begin forwarded message:

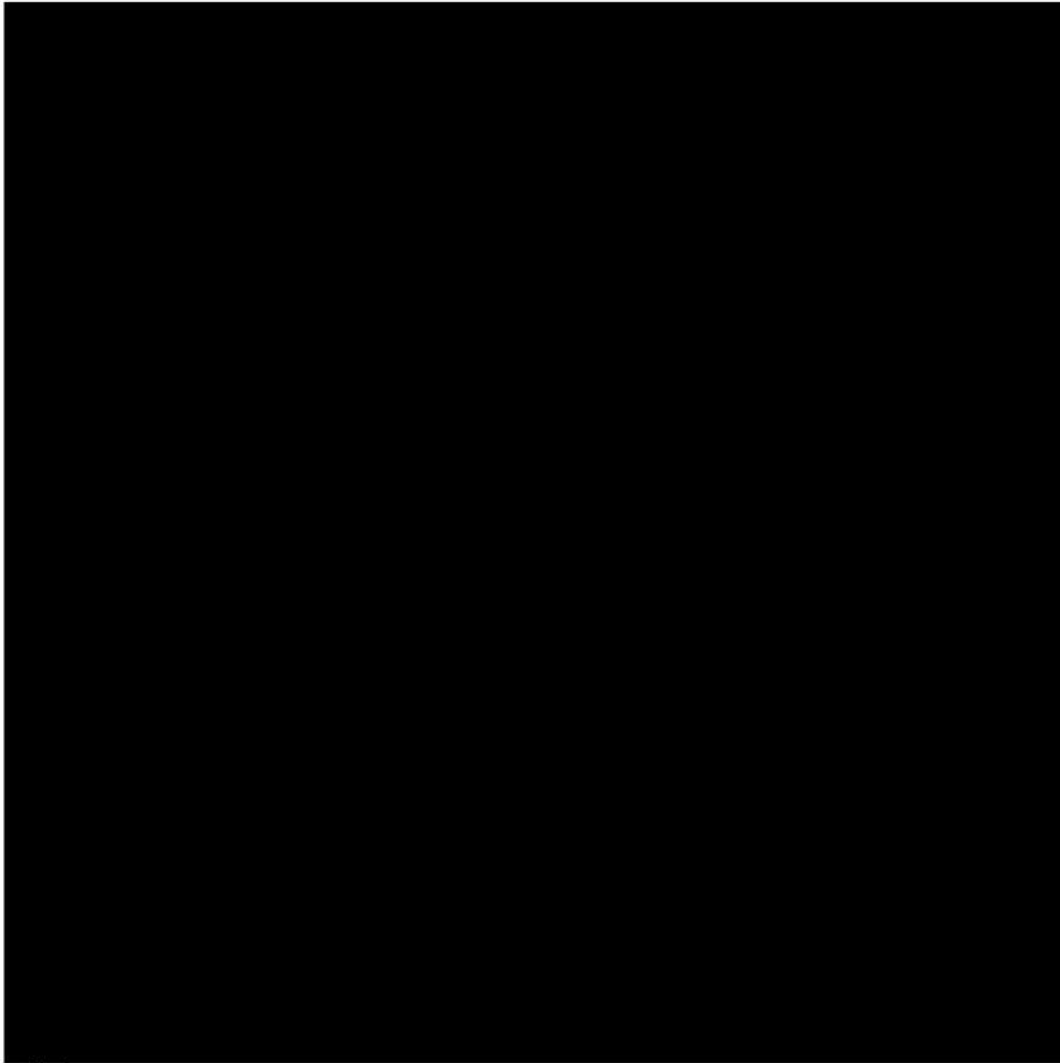
From: "Fox, Christiane" <Christiane.Fox@pco-bcp.gc.ca>
Date: August 23, 2019 at 8:35:25 AM EDT
To: "Lucas, Stephen (EC)" <stephen.lucas@canada.ca>, "Tremblay, Christyne (NRCAN/RNCAN)" <christyne.tremblay@canada.ca>, "Gillis, Kelly (INFC)" <kelly.gillis@canada.ca>, "Yaskiel, Ava (FIN)" <ava.yaskiel@canada.ca>, "Botham, Richard (FIN)" <richard.botham@canada.ca>, "Sargent, Timothy" <Timothy.Sargent@dfo-mpo.gc.ca>, "Flack, Graham (PCH)" <graham.flack@canada.ca>, "Nathalie Drouin (Nathalie.G.Drouin@justice.gc.ca)" <Nathalie.G.Drouin@justice.gc.ca>, "McCowan, Ian" <Ian.McCowan@pco-bcp.gc.ca>, "Bossenmaier, Greta" <Greta.Bossenmaier@pco-bcp.gc.ca>, "Pham, Thao" <Thao.Pham@pco-bcp.gc.ca>, Kevin Stringer <Kevin.Stringer@dfo-mpo.gc.ca>, "Tupper, Shawn (NRCAN/RNCAN)" <shawn.tupper@canada.ca>, "McGovern, David (IC)" <david.mcgovern@canada.ca>, "Thompson, Paul (IC)" <paul.thompson@canada.ca>, "simon.kennedy@canada.ca" <simon.kennedy@canada.ca>
Cc: "Halucha, Paul" <Paul.Halucha@pco-bcp.gc.ca>, "Lynch, Matthew" <Matthew.Lynch@pco-bcp.gc.ca>, "Fitzpatrick, Ron" <Ron.Fitzpatrick@pco-bcp.gc.ca>, "Dittburner, Carolyn" <Carolyn.Dittburner@pco-bcp.gc.ca>
Subject: BC

Hi everyone,



**Page 95
is withheld
pursuant to paragraph
21(1)(a), 21(1)(b) & 14
of the *Access to Information Act***

**La page 95
Font l'objet d'une exception totale
conformément aux dispositions de paragraphe
21(1)(a), 21(1)(b) & 14
de la *loi sur l'accès à l'information***



Chris

Christiane Fox

Deputy Minister of Intergovernmental Affairs and Youth / Sous-ministre des Affaires
intergouvernementales et de la jeunesse

66 Slater, 9th floor / 9^e étage

Office / Bureau: (613) 996-4937

Cell: [REDACTED]

Christiane.fox@pco-bcp.gc.ca

Rideout, Colin (INFC)

From: Chan, Jeanna (INFC)
Sent: August 28, 2019 1:48 PM
To: Judd, Christian (INFC)
Cc: Strong, Robin (INFC)
Subject: RE: Electrification MOU - BC

Perfect, thanks. I gave Jennifer a quick debrief and she asked that I include it in the Pipeline readout for today's meeting as well.

From: Judd, Christian (INFC)
Sent: August 28, 2019 1:35 PM
To: Chan, Jeanna (INFC) <jeanna.chan@canada.ca>
Cc: Strong, Robin (INFC) <robin.strong@canada.ca>
Subject: FW: Electrification MOU - BC

Here is the back and forth. Let us know if anything changes. Thanks again,

Christian

From: Strong, Robin (INFC)
Sent: August 28, 2019 1:33 PM
To: Fortin3, Marc (INFC) <marc.fortin3@canada.ca>; Judd, Christian (INFC) <christian.judd@canada.ca>
Subject: RE: Electrification MOU - BC

Hi Marc, Christian discussed [REDACTED] with MinO and Jeanna after Pipeline just now, and it will be on hold for now.

Robin Strong

Manager – West Region | Gestionnaire – Région de l'Ouest
Quebec-West Directorate | Direction du Québec et de l'Ouest
Infrastructure Canada

180 Kent St., Ottawa, Ontario K1P 0B6
Telephone | Téléphone 613-948-9286
Government of Canada | Gouvernement du Canada
www.infrastructure.gc.ca

From: Fortin3, Marc (INFC)
Sent: August 28, 2019 12:29 PM
To: Judd, Christian (INFC) <christian.judd@canada.ca>
Cc: Strong, Robin (INFC) <robin.strong@canada.ca>
Subject: RE: Electrification MOU - BC

Thanks, on the impression we might into that loop...Robin could you connect with DMO and inform them that we will be proceeding unless Mino is asking to hold, please ensure they understand the various steps, thanks

From: Judd, Christian (INFC)
Sent: August 28, 2019 11:37 AM

To: Fortin3, Marc (INFC) <marc.fortin3@canada.ca>
Cc: Strong, Robin (INFC) <robin.strong@canada.ca>
Subject: RE: Electrification MOU - BC

ATIA - 14

ATIA - 21(1)(a)

ATIA - 21(1)(b)

ATIA - 69(1)(g)-(d)

I have the products that were used and have spoken to PCO about what language needs to be included. [REDACTED]

From: Fortin3, Marc (INFC)
Sent: August 28, 2019 11:17 AM
To: Judd, Christian (INFC) <christian.judd@canada.ca>
Cc: Strong, Robin (INFC) <robin.strong@canada.ca>
Subject: FW: Electrification MOU - BC

From: Fortin3, Marc (INFC)
Sent: August 28, 2019 10:48 AM
To: Gillis, Kelly (INFC) <kelly.gillis@canada.ca>
Subject: RE: Electrification MOU - BC

From: Gillis, Kelly (INFC)
Sent: August 28, 2019 9:46 AM
To: Fortin3, Marc (INFC) <marc.fortin3@canada.ca>
Subject: Re: Electrification MOU - BC

Thank you [REDACTED]
Tks

Sent from my iPhone

From: Gillis, Kelly (INFC)
Sent: August 28, 2019 7:15 AM
To: Fortin3, Marc (INFC) <marc.fortin3@canada.ca>
Subject: Re: Electrification MOU - BC

Thanks - [REDACTED]

Tks

Sent from my iPhone

On Aug 28, 2019, at 7:12 AM, Fortin3, Marc (INFC) <marc.fortin3@canada.ca> wrote:

[REDACTED] Checked with my people, we spoke to two B.C. ministries yesterday and neither raised it. [REDACTED]

From: Gillis, Kelly (INFC)
Sent: August 28, 2019 6:24 AM
To: Fortin3, Marc (INFC) <marc.fortin3@canada.ca>; Campbell, Glenn (INFC) <glenn.campbell@canada.ca>
Subject: Fwd: Electrification MOU - BC

See attached please let me know if comments [REDACTED]

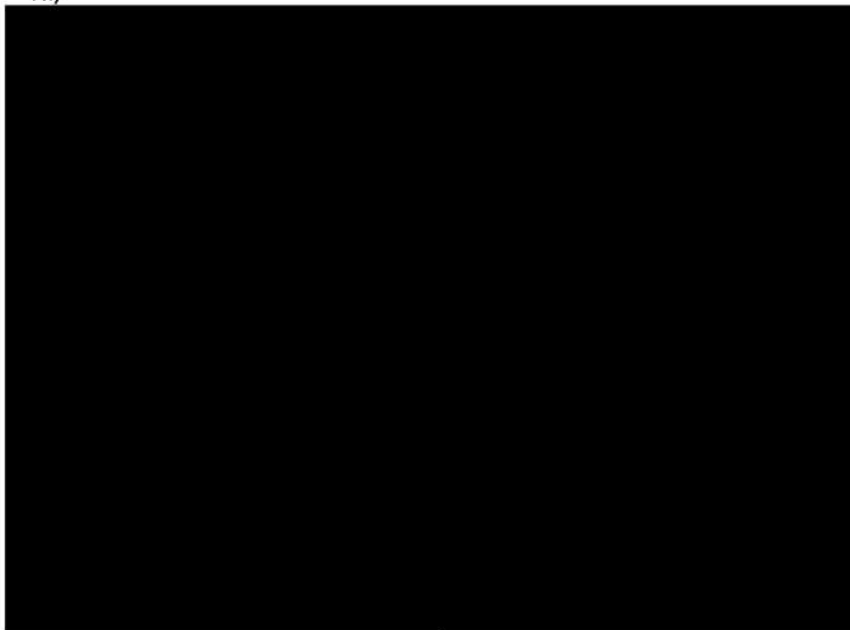
Tks

Sent from my iPhone

Begin forwarded message:

From: "Fox, Christiane" <Christiane.Fox@pco-bcp.gc.ca>
Date: August 27, 2019 at 9:10:39 PM EDT
To: "Tremblay, Christyne (NRCAN/RNCAN)" <christyne.tremblay@canada.ca>, "Tupper, Shawn (NRCAN/RNCAN)" <shawn.tupper@canada.ca>, "Lucas, Stephen (EC)" <stephen.lucas@canada.ca>, "Dubuc, Martine (EC)" <martine.dubuc@canada.ca>, "Botham, Richard (FIN)" <richard.botham@canada.ca>, "Rochon, Paul (FIN)" <paul.rochon@canada.ca>, "Gillis, Kelly (INFC)" <kelly.gillis@canada.ca>, "Khosla, Jay (NRCAN/RNCAN)" <jay.khosla@canada.ca>
Cc: "Baird, Louise" <Louise.Baird@pco-bcp.gc.ca>, "Ferguson, Eric" <Eric.Ferguson@pco-bcp.gc.ca>, "Lynch, Matthew" <Matthew.Lynch@pco-bcp.gc.ca>, "Roumeliotis, Eugenia" <Eugenia.Roumeliotis@pco-bcp.gc.ca>, "Pham, Thao" <Thao.Pham@pco-bcp.gc.ca>, "Halucha, Paul" <Paul.Halucha@pco-bcp.gc.ca>
Subject: Electrification MOU - BC

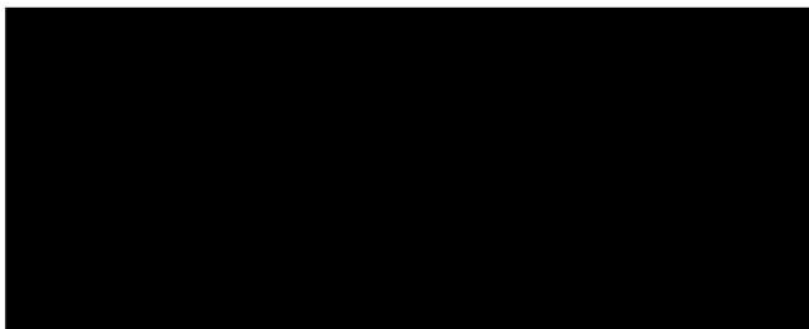
Hi,



ATIA - 14

ATIA - 21(1)(a)

ATIA - 21(1)(b)



Chris

Rideout, Colin (INFC)

From: PMO-CPM <pm@PM.GC.CA>
Sent: August 29, 2019 3:30 PM
To: ALLNEWS_E@LSERV.PMO-CPM.GC.CA
Subject: News Release

From the [Prime Minister's Web Site](https://pm.gc.ca/) (https://pm.gc.ca/)

Creating clean growth and jobs in British Columbia's energy sector

August 29, 2019
Surrey, British Columbia

Canada's natural resources drive our economy and support thousands of middle class jobs. Building modern infrastructure and clean technologies in the resource sector is part of the Government of Canada's plan to get our resources to new markets, spark economic growth, and accelerate Canada's clean energy transition.

The Prime Minister, Justin Trudeau, and the Premier of British Columbia, John Horgan, today announced a new Memorandum of Understanding to affirm their joint commitment to power British Columbia's natural gas production and liquefied natural gas (LNG) sectors with clean electricity.

The natural gas industry produces about 18 per cent of the province's greenhouse gas emissions. By moving to clean power – a process referred to as electrification – we will avoid emissions and position Canada as a supplier of the world's cleanest natural gas. It will also help British Columbia achieve its climate change commitments, and support projects that will create new jobs and opportunities in rural and Indigenous communities across the province.

The Government of Canada is working to support infrastructure that brings clean electricity to Canadian businesses, and helps create good middle class jobs, a low-carbon economy, and greener communities.

Quotes

"Canadians know that economic growth and environmental protection go hand-in-hand. Today, we are committing to work with British Columbia to help power the natural gas sector with clean electricity – reducing greenhouse gas emissions, creating good middle class jobs, and helping make the province a supplier of the cleanest natural gas in the world."

The Rt. Hon. Justin Trudeau, Prime Minister of Canada

"Canadians are strongest when we work together. Through this Memorandum of Understanding, we will enhance our collaboration with British Columbia to power the natural gas sector with clean electricity, and in the process, move toward renewable and sustainable sources of energy that grow our economy, generate local jobs, and enhance trade."

The Hon. Amarjeet Sohi, Minister of Natural Resources

"Our governments are working collaboratively to electrify industries and reduce emissions as we put B.C. on a path to a cleaner, better future. With this Memorandum of Understanding, we are taking an important step forward to build a more sustainable economy and protect our environment, while creating opportunities for people."

The Hon. John Horgan, Premier of British Columbia

Quick Facts

- The Minister of Natural Resources, Amarjeet Sohi, and British Columbia's Minister of Energy, Mines and Petroleum Resources, Michelle Mungall signed the Memorandum of Understanding between the federal and provincial governments.
- A new Canada-British Columbia Clean Power Planning Committee, which includes representatives from the provincial and federal governments and BC Hydro, will work to advance projects that increase power transmission and electrification across the province.
- The Committee will build on past work including the Regional Electricity Cooperation and Strategic Infrastructure Initiative, which found that opportunities to electrify the natural gas sector in British Columbia are among the most cost-effective in Western Canada.
- The natural gas industry currently provides good middle class jobs and investments into Canada. Just last year, LNG Canada made a historic \$40 billion investment – the largest private sector investment in the country's history – to build a major LNG project in Kitimat, British Columbia. The project will create up to 10,000 jobs at the height of construction, lead to billions of dollars in direct government revenues, and include hundreds of millions of dollars in contracts for Indigenous businesses.
- This work is part of a broader effort to advance clean power in regions across Canada. Earlier this year, the Government of Canada, together with the Atlantic provinces, announced the creation of an Atlantic Clean Power Planning Committee to develop a Clean Power Roadmap for Atlantic Canada.
- In April 2019, the Government of Canada announced up to \$83.6 million toward the Peace Region Electricity Supply project through the Investing in Canada infrastructure plan. BC Hydro provided the remaining \$205.4 million.
- In December 2018, the Government of British Columbia released CleanBC, its new provincial economic development, energy, and climate strategy, which prioritized electrification of the natural gas sector as a way to meet its climate change commitments.
- In 2016, the Government of Canada worked with provinces and territories, and engaged Indigenous peoples, to adopt Canada's national climate plan, the Pan-Canadian Framework on Clean Growth and Climate Change. The plan contains over 50 specific measures to reduce carbon pollution, help Canadians adapt and become more resilient to the impacts of a changing climate, foster clean technology solutions, and create good jobs that contribute to a stronger economy.
- Investing in the clean economy presents an enormous economic opportunity. According to the Global Commission on the Economy and the Climate, the clean economy is expected to grow to \$26 trillion and create 65 million jobs worldwide by 2030.

Related Product

- [Memorandum of Understanding between the Government of Canada and the Government of British Columbia on the electrification of the natural gas sector](#)

Associated Links

- [CleanBC](#)
- [Pan-Canadian Framework on Clean Growth and Climate Change](#)

PMO Media Relations: media@pmo-cpm.gc.ca

This document is also available at <https://pm.gc.ca>

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Rideout, Colin (INFC)

From: Chammas2, Rose (INFC)
Sent: October 16, 2019 9:18 AM
To: Fotia2, Frank (INFC); Rideout, Colin (INFC); Watkins-Nasreddine, Carla (INFC); Sheppard, Laura (INFC); Judd, Christian (INFC)
Subject: FYI - BC Electrification Priorities

Interesting article, if you have not seen it yet.

On August 29, 2019, the government of Canada and the government of British Columbia entered into a Memorandum of Understanding (MOU) to establish the Canada-British Columbia Clean Power Planning Committee (the Committee), whose mandate will be to advance projects that increase electrification and power transmission in British Columbia.

<https://www.infomedia.gc.ca/infrastructurecanada/en/2019/10/15/223290572>

Rose Chammas

Manager – West Region | Gestionnaire – Région de l'Ouest
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Government of Canada | Gouvernement du Canada
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Rideout, Colin (INFC)

From: Rideout, Colin (INFC)
Sent: October 17, 2019 2:49 PM
To: Chammas2, Rose (INFC); Sheppard, Laura (INFC)
Subject: RE: Transition - PT Briefings Deck

Here you go, Rose. Laura's contribution are already added in.

From: Chammas2, Rose (INFC)
Sent: October 17, 2019 2:17 PM
To: Rideout, Colin (INFC) <colin.rideout@canada.ca>; Sheppard, Laura (INFC) <laura.sheppard@canada.ca>
Subject: FW: Transition - PT Briefings Deck
Importance: High

Do you both mind updating the below PT tables please. We would need this as soon as possible please. Laura can you please update BC's info. Also there is a response required for the MOU BC just signed. For that we can just respond that under ICIP, electrification projects are eligible under the xxx category and that we have already approved the PRES project [REDACTED]

Please add anything else you think would be useful. Thanks!

AB

Stream	Date of Project Intake Completed or Anticipated
Public Transit	
Green	
Rural & North	
Community, Culture, & Recreation	

MB

Stream	Date of Project Intake Completed or Anticipated
Public Transit	ongoing
Green	Closed September 12
Rural & North	Closed September 26
Community, Culture, & Recreation	Closed September 19

BC

Stream	Date of Project Intake
--------	------------------------

	Completed or Anticipated
Public Transit	No intake process. Funds are allocated directly to TransLink and BC Transit.
Green	<ul style="list-style-type: none"> • First intake for EQ closed March 31, 2018. • [REDACTED] Formal intake process (CleanBC Communities Fund) closed December 2018. • Launch for Disaster Mitigation is still TBD
Rural & North	First intake closed September 2018
Community, Culture, & Recreation	First intake closed September 2018

SK

Stream	Date of Project Intake Completed or Anticipated
Public Transit	[REDACTED]
Green	Closed April 30 for municipalities, May 31 for provincial projects. Next intake opens in late 2019.
Rural & North	Closed April 30 for municipalities, May 31 for provincial projects. Next intake opens in late 2019.
Community, Culture, & Recreation	Closed April 30 for municipalities, May 31 for provincial projects. Next intake opens in late 2019.

We also need to validate the following statements:

- In August 2019, the Government of Canada and British Columbia signed a Memorandum of Understanding to demonstrate their joint commitment to powering BC's natural gas production and liquefied natural gas (LNG) sectors with its clean electricity. British Columbia may seek additional funds to fulfil this commitment.
RESPONSE: Electrification projects are eligible under the Green Infrastructure stream, Climate Change Mitigation sub-stream. [REDACTED]

From: Caron3, Nathalie (INFC)
Sent: October 17, 2019 12:50 PM
To: Pruneau, Amélie (INFC) <amelie.pruneau@canada.ca>
Subject: RE: Transition - PT Briefings Deck

Pardon, et l'info sur les intakes pour chaque PT...

From: Pruneau, Amélie (INFC)
Sent: October 17, 2019 12:49 PM
To: Caron3, Nathalie (INFC) <nathalie.caron3@canada.ca>
Subject: RE: Transition - PT Briefings Deck

Super, donc la seule chose qu'il te manque est nos réponses pour les deux bullets ci-dessous?

Amélie Pruneau

Manager, West, Program Operations
Infrastructure Canada / Government of Canada
amelie.pruneau@canada.ca / Tel: 613-960-6776

Gestionnaire, Ouest, Opérations des programmes
Infrastructure Canada / Gouvernement du Canada
amelie.pruneau@canada.ca / Tél. : 613-960-6776

From: Caron3, Nathalie (INFC)
Sent: October 17, 2019 12:48 PM
To: Pruneau, Amélie (INFC) <amelie.pruneau@canada.ca>
Subject: RE: Transition - PT Briefings Deck

Donc, Darcy a négocié qu'au lieu d'un tableau se sera des graphiques pour chaque PT. Je ne sais pas encore quand se sera prêt. Vous n'aurez donc pas à valider en soi, mais je vous enverrai pour info.

N

From: Pruneau, Amélie (INFC)
Sent: October 17, 2019 12:44 PM
To: Caron3, Nathalie (INFC) <nathalie.caron3@canada.ca>
Subject: RE: Transition - PT Briefings Deck

Si c'est pour la fin de la journée, ça nous prendrait l'information sous peu. ☺

Amélie Pruneau

Manager, West, Program Operations
Infrastructure Canada / Government of Canada
amelie.pruneau@canada.ca / Tel: 613-960-6776

Gestionnaire, Ouest, Opérations des programmes
Infrastructure Canada / Gouvernement du Canada
amelie.pruneau@canada.ca / Tél. : 613-960-6776

From: Caron3, Nathalie (INFC)
Sent: October 17, 2019 9:36 AM

To: Pruneau, Amélie (INFC) <amelie.pruneau@canada.ca>

Subject: RE: Transition - PT Briefings Deck

ATIA - 14

ATIA - 21(1)(b)

Oui, c'est ça ☺

From: Pruneau, Amélie (INFC)

Sent: October 17, 2019 9:30 AM

To: Caron3, Nathalie (INFC) <nathalie.caron3@canada.ca>

Subject: RE: Transition - PT Briefings Deck

Bonjour Nathalie,

Donc tu vas m'acheminer le tableau ci-dessous avec des données à valider séparément?

Merci,

Amélie

Amélie Pruneau

Manager, West, Program Operations
Infrastructure Canada / Government of Canada
amelie.pruneau@canada.ca / Tel: 613-960-6776

Gestionnaire, Ouest, Opérations des programmes
Infrastructure Canada / Gouvernement du Canada
amelie.pruneau@canada.ca / Tél. : 613-960-6776

From: Caron3, Nathalie (INFC)

Sent: October 17, 2019 9:15 AM

To: Pruneau, Amélie (INFC) <amelie.pruneau@canada.ca>

Cc: Judd, Christian (INFC) <christian.judd@canada.ca>; Chammas2, Rose (INFC) <rose.chammas2@canada.ca>; Chappell, Tegan (INFC) <tegan.chappell@canada.ca>

Subject: FW: Transition - PT Briefings Deck

Salut Amélie,

Can you please validate the following statements:

- In August 2019, the Government of Canada and British Columbia signed a Memorandum of Understanding to demonstrate their joint commitment to powering BC's natural gas production and liquefied natural gas (LNG) sectors with its clean electricity. British Columbia may seek additional funds to fulfil this commitment.

We also need the following info for all PTs. Darcy will be pulling numbers, which I'll send for validation. I need you other updates **by COB today**.

You can view the full deck here, but please send me your input by email. Merci.

Merci,
Nathalie

Stream	Initial Funding Envelope	Approved	Remaining Funding Envelope	(Unc)
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		#	\$	
Public Transit				
Green				
Rural & North				
Community, Culture, & Recreation				

From: Hou, Erinna (INFC)

Sent: October 16, 2019 4:52 PM

To: Lechasseur, Nathalie (INFC) <nathalie.lechasseur@canada.ca>; Hartwick, Darcy (INFC) <darcy.hartwick@canada.ca>; Caron3, Nathalie (INFC) <nathalie.caron3@canada.ca>

Cc: Williams, Tushara (INFC) <tushara.williams@canada.ca>; Judge, Robert (INFC) <robert.judge@canada.ca>; McCann, Elizabeth (INFC) <elizabeth.mccann@canada.ca>; Lemieux3, Stéphanie (INFC) <stephanie.lemieux3@canada.ca>; Alén, Jessica (INFC) <jessica.alen@canada.ca>

Subject: Transition - PT Briefings Deck

Hi Nathalie, Darcy,

Further to yesterday's Deep Dive with the Deputy, we've updated the PT Briefings deck to address the Deputy's comments/questions (also attached is the DM's comments for your reference).

We would be grateful if you could please review the attached deck, in particular, the PT slides starting on slide 14. As you will see, we have flagged a number of bullets/specific input where validation is required, as well as additional information requested by the Deputy.

As you know, the Deputy has asked for a revised deck for her weekend reading package so we would be grateful if we could receive your input **by 1 pm on Friday**.

Thanks in advance for your help,
Erinna

Erinna Hou

Manager / Gestionnaire

Intergovernmental & Strategic Coordination /

Coordination intergouvernementale & stratégique

Infrastructure Canada

Tel: 613-960-9639 / Cell : 343-550-9515